Product Datasheet

BCAT1 Antibody (OTI3F5)
NBP2-01826

Unit Size: 0.1 ml

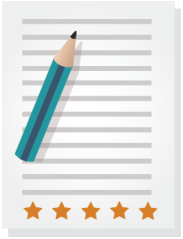
Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-01826

Updated 9/9/2025 v.20.1



NBP2-01826

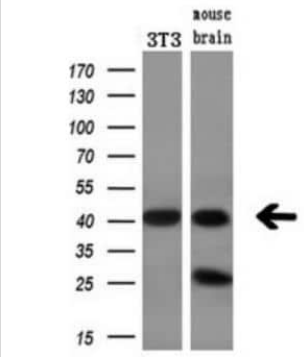
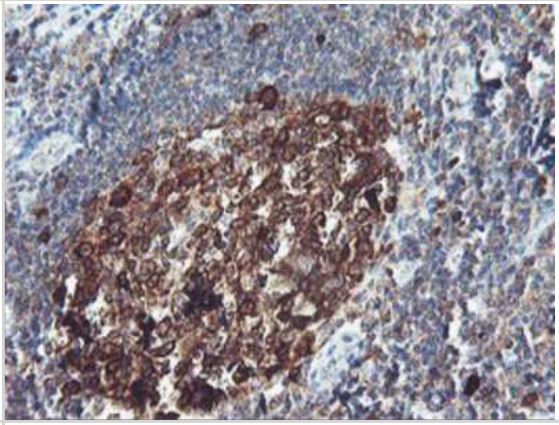
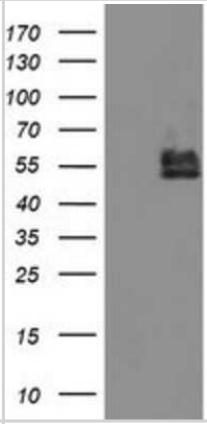
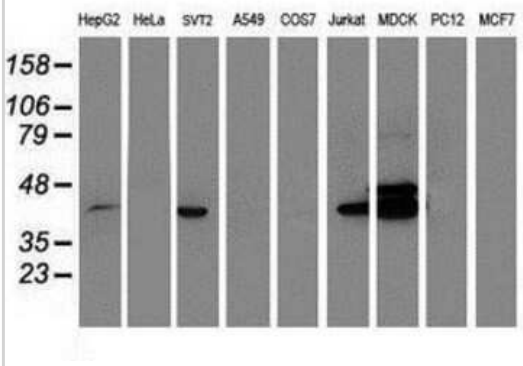
BCAT1 Antibody (OTI3F5)

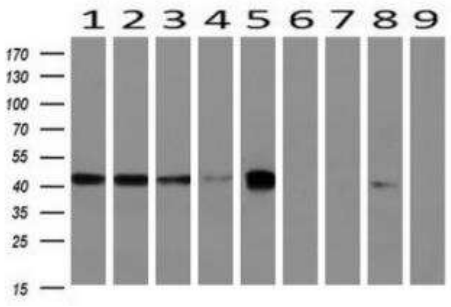
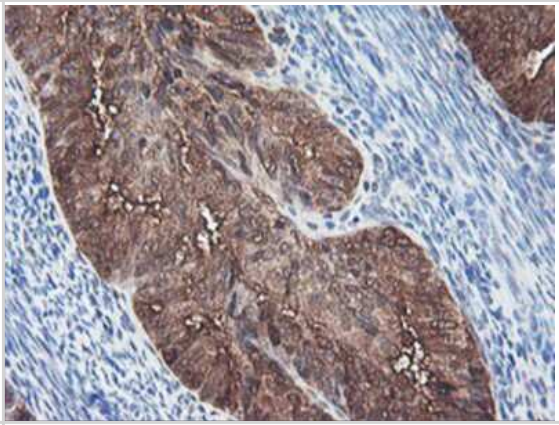
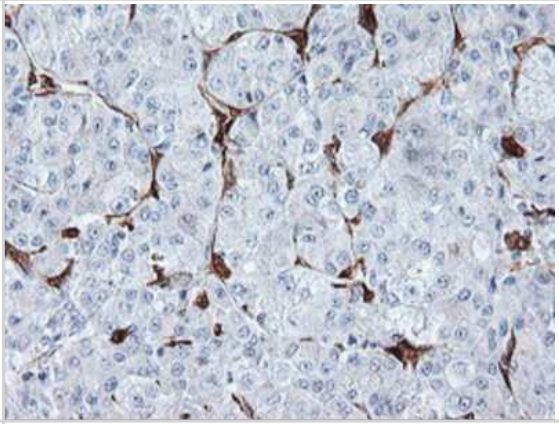
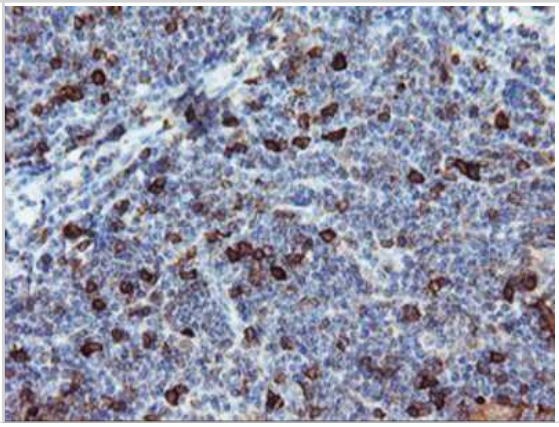
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3F5
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	42.8 kDa

Product Description	
Description	Novus Biologicals Mouse BCAT1 Antibody (OTI3F5) (NBP2-01826) is a monoclonal antibody validated for use in IHC and WB. Anti-BCAT1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	586
Gene Symbol	BCAT1
Species	Human, Mouse, Canine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human BCAT1(NP_005495) produced in HEK293T cell.

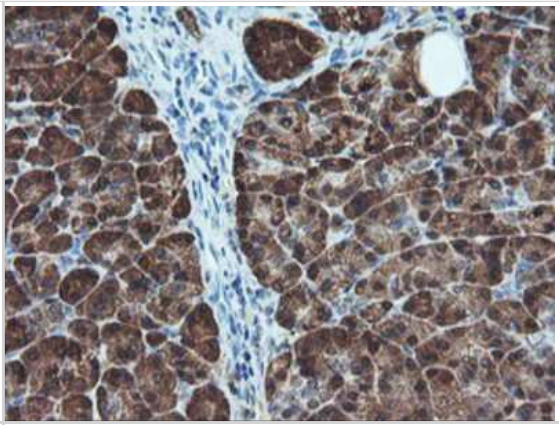
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

Images

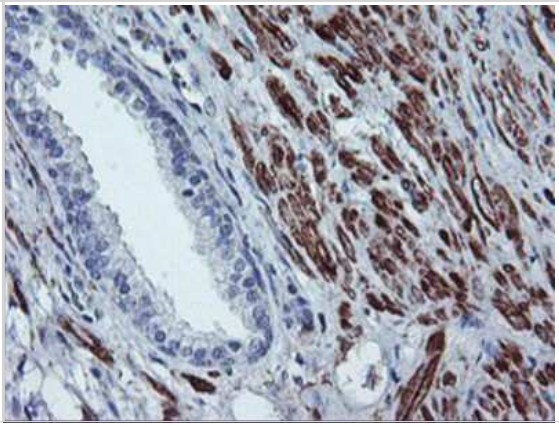
Western Blot: BCAT1 Antibody (3F5) [NBP2-01826] - Analysis of extracts (10ug) from a mouse cell line and a mouse tissue by using anti-BCAT1 monoclonal antibody. (1:200)	
Immunohistochemistry-Paraffin: BCAT1 Antibody (3F5) [NBP2-01826] - Staining of paraffin-embedded Human tonsil using anti-BCAT1 mouse monoclonal antibody.	
Western Blot: BCAT1 Antibody (3F5) [NBP2-01826] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BCAT1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BCAT1.	
Western Blot: BCAT1 Antibody (3F5) [NBP2-01826] Analysis of extracts (35ug) from 9 different cell lines by using anti-BCAT1 monoclonal antibody.	

Western Blot: BCAT1 Antibody (3F5) [NBP2-01826] - Analysis of extracts (10ug) from 9 Human tissue by using anti-BCAT1 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: Colon)	
Immunohistochemistry-Paraffin: BCAT1 Antibody (3F5) [NBP2-01826] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-BCAT1 mouse monoclonal antibody.	
Immunohistochemistry-Paraffin: BCAT1 Antibody (3F5) [NBP2-01826] - Staining of paraffin-embedded Carcinoma of Human liver tissue using anti-BCAT1 mouse monoclonal antibody.	
Immunohistochemistry-Paraffin: BCAT1 Antibody (3F5) [NBP2-01826] - Staining of paraffin-embedded Human lymphoma tissue using anti-BCAT1 mouse monoclonal antibody.	

Immunohistochemistry-Paraffin: BCAT1 Antibody (3F5) [NBP2-01826] - Staining of paraffin-embedded Human pancreas tissue using anti-BCAT1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: BCAT1 Antibody (3F5) [NBP2-01826] - Staining of paraffin-embedded Human prostate tissue using anti-BCAT1 mouse monoclonal antibody.



Publications

Zhu Z, Achreja A, Meurs N et al. Tumour-reprogrammed stromal BCAT1 fuels branched-chain ketoacid dependency in stromal-rich PDAC tumours Nat Metab 2020-07-06 [PMID: 32694827] (WB, Human)

Li H, Ye D, Xie W et al. Defect of Branched-chain Amino Acid Metabolism Promotes the Development of Alzheimer's Disease by Targeting the mTOR Signaling Biosci. Rep. 2018-05-25 [PMID: 29802157] (Mouse)

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Products Related to NBP2-01826

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
DBD00	BDNF [HRP]

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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