Product Datasheet

FMRP Antibody (OTI1C6)
NBP2-01770

Unit Size: 0.1 ml

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

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Reviews: 1 Publications: 2

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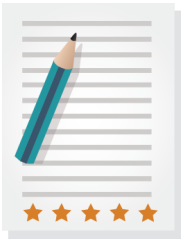
Updated 9/9/2025 v.20.1



NBP2-01770

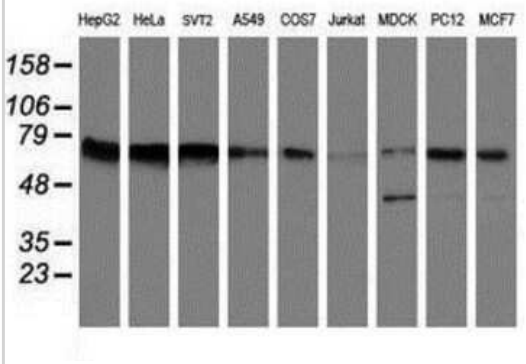
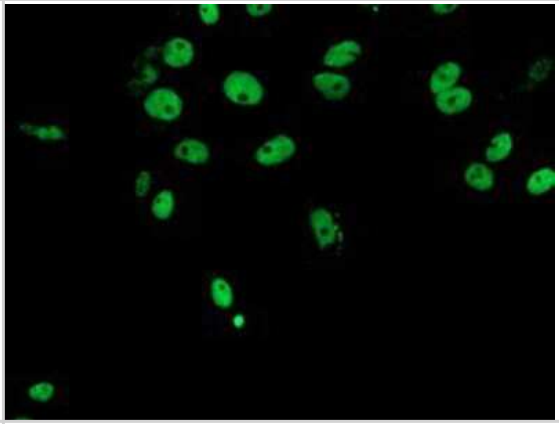
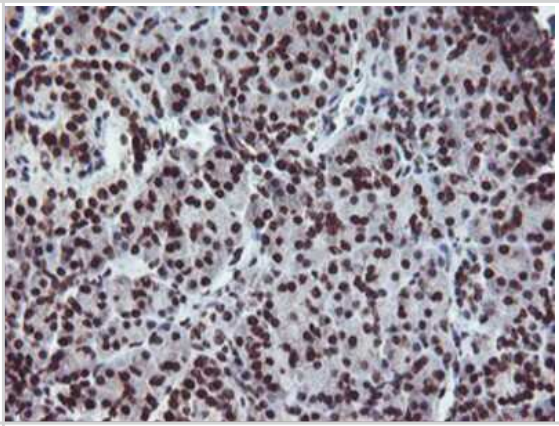
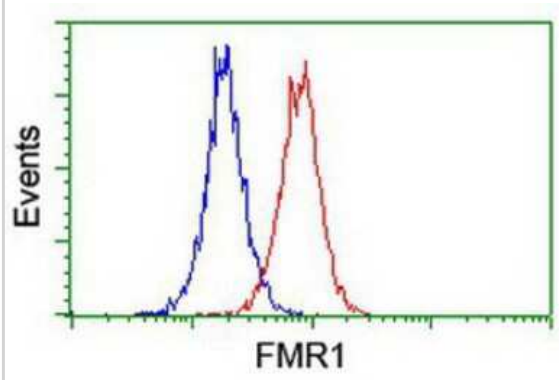
FMRP Antibody (OTI1C6)

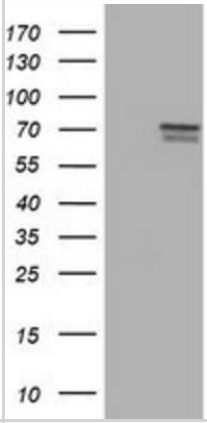
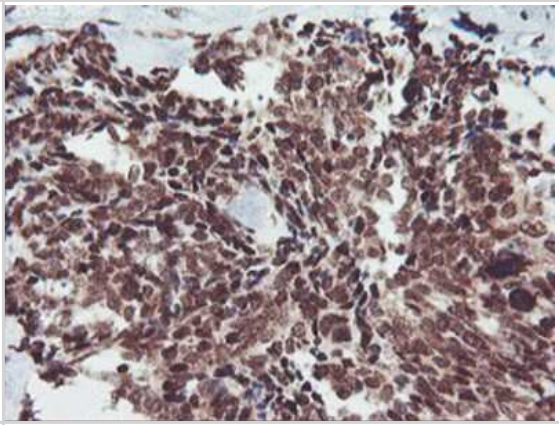
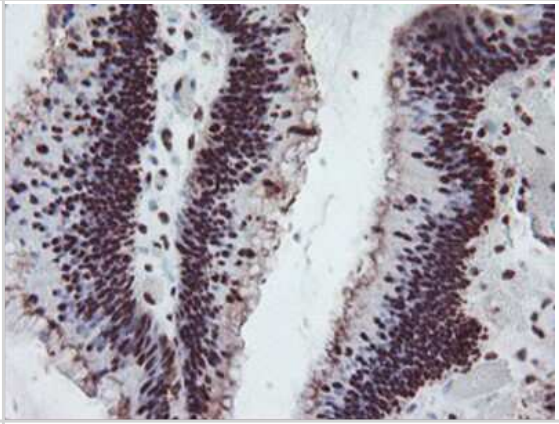
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1C6
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	71 kDa

Product Description	
Description	Novus Biologicals Mouse FMRP Antibody (OTI1C6) (NBP2-01770) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-FMRP Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2332
Gene Symbol	FMR1
Species	Human, Mouse, Rat, Canine, Monkey
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	Human recombinant protein fragment corresponding to amino acids 36-279 of human FMR1(NP_002015) produced in E.coli.

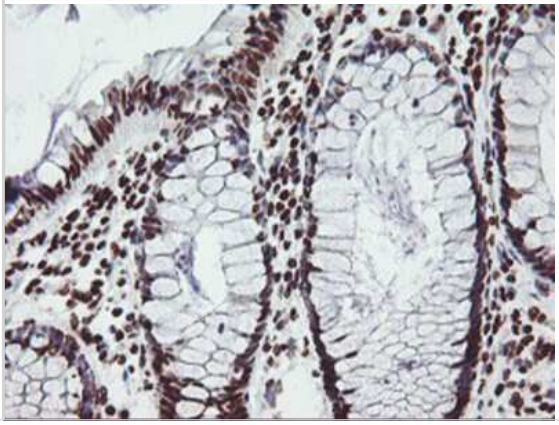
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

Images

Western Blot: FMRP Antibody (1C6) [NBP2-01770] Analysis of extracts (35ug) from 9 different cell lines by using anti-FMRP monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).	
Immunocytochemistry/Immunofluorescence: FMRP Antibody (1C6) [NBP2-01770] - Staining of COS7 cells transiently transfected by pCMV6 -ENTRY FMRP.	
Immunohistochemistry-Paraffin: FMRP Antibody (1C6) [NBP2-01770] - Staining of paraffin-embedded Human pancreas tissue using anti-FMRP mouse monoclonal antibody.	
Flow Cytometry: FMRP Antibody (1C6) [NBP2-01770] - Analysis of Jurkat cells, using anti-FMRP antibody, (Red), compared to a nonspecific negative control antibody (Blue).	

Western Blot: FMRP Antibody (1C6) [NBP2-01770] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FMRP (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-FMRP.	
Immunohistochemistry-Paraffin: FMRP Antibody (1C6) [NBP2-01770] - Staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-FMRP mouse monoclonal antibody.	
Immunohistochemistry-Paraffin: FMRP Antibody (1C6) [NBP2-01770] - Staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-FMRP mouse monoclonal antibody.	
Immunohistochemistry-Paraffin: FMRP Antibody (1C6) [NBP2-01770] - Staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-FMRP mouse monoclonal antibody.	

Immunohistochemistry-Paraffin: FMRP Antibody (1C6) [NBP2-01770] - Staining of paraffin-embedded Human colon tissue using anti-FMRP mouse monoclonal antibody.



Publications

Yildirim Z, Baboo S, Hamid SM et al. Intercepting IRE1 kinase-FMRP signaling prevents atherosclerosis progression EMBO molecular medicine 2022-02-22 [PMID: 35191199] (WB)

Yang YM, Arsenault J, Bah A et al. Identification of a molecular locus for normalizing dysregulated GABA release from interneurons in the Fragile X brain. Mol. Psychiatry. 2018-09-17 [PMID: 30224722] (WB, Mouse)

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Products Related to NBP2-01770

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00002332-P01-10ug	Recombinant Human FMRP GST (N-Term) Protein

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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