

Product Datasheet

Melanotransferrin/CD228/MFI2 Antibody - BSA Free NBP1-85777

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-85777

Melanotransferrin/CD228/MFI2 Antibody - BSA Free

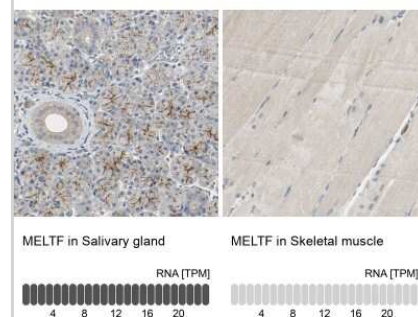
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	4241
Gene Symbol	MELTF
Species	Human
Reactivity Notes	Mouse (87%), Rat (86%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RSEDYELLCPNGARAEVSQFAACNLAQIPPHAVMVRPDTNIFTVYGLLDKAQDL FGDDHNKNGFKMFDSSNYHGQDLLFKDATVRAVPVGEKTTYRGWLGLDYVAA LEGMSSQQC

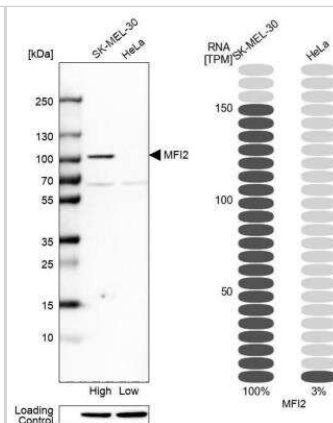
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

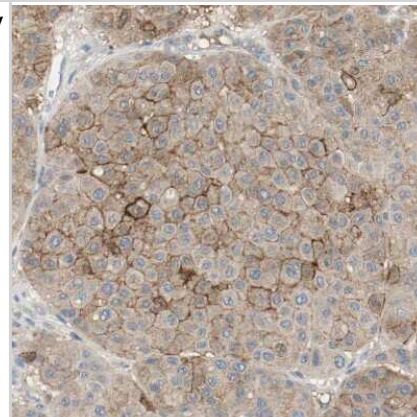
Immunohistochemistry-Paraffin: Melanotransferrin/CD228/MFI2 Antibody [NBP1-85777] - Analysis in human salivary gland and skeletal muscle tissues. Corresponding MELTF RNA-seq data are presented for the same tissues.



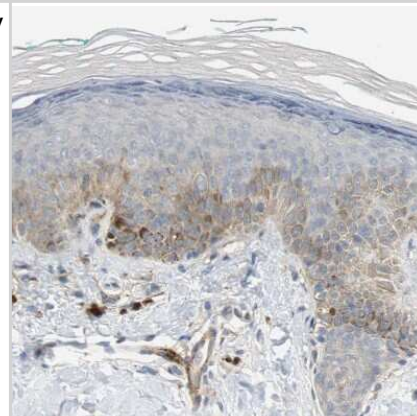
Western Blot: Melanotransferrin/CD228/MFI2 Antibody [NBP1-85777] - Analysis in human cell lines SK-MEL-30 and HeLa. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-HDAC1.



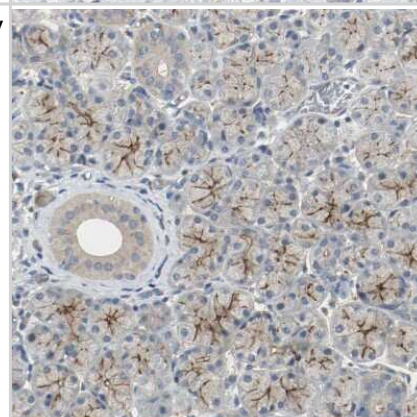
Immunohistochemistry-Paraffin: Melanotransferrin/CD228/MFI2 Antibody [NBP1-85777] - Staining of human malignant melanoma shows moderate membranous positivity in tumor cells.



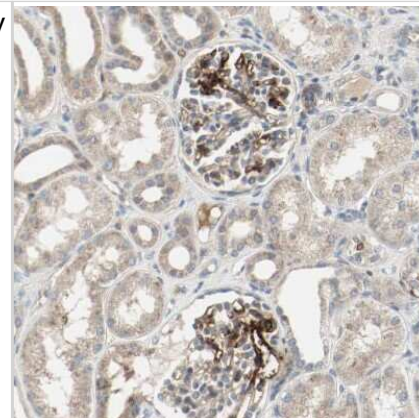
Immunohistochemistry-Paraffin: Melanotransferrin/CD228/MFI2 Antibody [NBP1-85777] - Staining of human skin shows weak to moderate cytoplasmic positivity in keratinocytes.



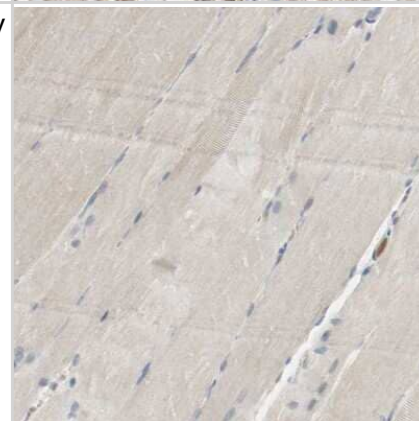
Immunohistochemistry-Paraffin: Melanotransferrin/CD228/MFI2 Antibody [NBP1-85777] - Staining of human salivary gland shows moderate to strong positivity in luminal membrane in glandular cells.



Immunohistochemistry-Paraffin: Melanotransferrin/CD228/MFI2 Antibody [NBP1-85777] - Staining of human kidney shows moderate to strong membranous positivity in cells in glomeruli.



Immunohistochemistry-Paraffin: Melanotransferrin/CD228/MFI2 Antibody [NBP1-85777] - Staining of human skeletal muscle shows no positivity in myocytes.



Publications

Yen WC, Chang KP, Chen CY et al. MFI2 upregulation promotes malignant progression through EGF/FAK signaling in oral cavity squamous cell carcinoma Cancer cell international 2023-06-12 [PMID: 37309001] (Western Blot, Human)

Jandova J, Park SL, Corenblum MJ et al. Mefloquine induces ER stress and apoptosis in BRAFi-resistant A375-BRAFV600E /NRASQ61K malignant melanoma cells targeting intracranial tumors in a bioluminescent murine model Molecular carcinogenesis 2022-04-13 [PMID: 35417045]

Sawaki K, Kanda M, Umeda S et al. Level of Melanotransferrin in Tissue and Sera Serves as a Prognostic Marker of Gastric Cancer Anticancer Res. 2019-11-01 [PMID: 31704840] (Human)



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Products Related to NBP1-85777

NBP1-85777PEP	Melanotransferrin/CD228/MFI2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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