Opiorphin prepropeptide Antibody

Mouse Monoclonal Antibody [Clone OPRPN/12751]

Catalog No	Format	Size
58503-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
58503-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
58503-MSM1-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

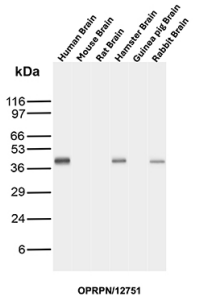
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	OPRPN/12751
Immunogen	Recombinant human OPRPN protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	27.22kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Abundantly expressed in lacrimal gland where it found in the secretory endpieces

**Optimal dilution for a specific application should be determined.*

Product Images for Opiorphin prepropeptide Antibody



Western blot analysis of brain tissue lysates from human, hamster and rabbit using OPRPN Mouse Monoclonal Antibody (OPRPN/12751).

Specificity & Comments

Opiorphin is an endogenous inhibitor of neprilysin and aminopeptidase N. Inhibits the breakdown of substance P, Mca-BK2 and Met-enkephalin by neprilysin in vitro with IC(50) values of 29 uM, 33 uM and 33 uM respectively. Inhibits the breakdown of Ala-pNA by aminopeptidase N in vitro with an IC(50) of 65 uM. Has a potent analgesic effect when administered to rats by intravenous injection.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.