Short-wave-sensitive opsin 1 Antibody

Mouse Monoclonal Antibody [Clone OPN1SW/13093]

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

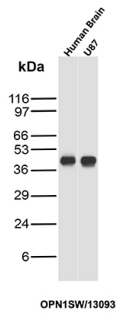
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

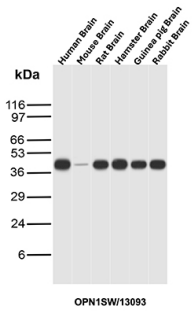
Clone	OPN1SW/13093
Immunogen	Recombinant human OPN1SW protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	38.72kDa
Cellular Localization	Cell membrane, Cell projection, Cilium, Cytoplasm, Perinuclear region, Photoreceptor inner segment, Photoreceptor outer segment
Species Reactivity	Human
Positive Control	The three color pigments are found in the cone photoreceptor cells (PubMed:2937147)

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

Product Images for Short-wave-sensitive opsin 1 Antibody



Western blot analysis of human brain tissue lysates and U87 cell lysates using OPN1SW Mouse Monoclonal Antibody (OPN1SW/13093).



Western blot analysis of brain tissue lysates from human, rat, hamster, guinea pig and rabbit using OPN1SW Mouse Monoclonal Antibody (OPN1SW/13093).

Specificity & Comments

Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal (Probable). Required for the maintenance of cone outer segment organization in the ventral retina, but not essential for the maintenance of functioning cone photoreceptors (By similarity). Involved in ensuring correct abundance and localization of retinal membrane proteins (By similarity). May increase spectral sensitivity in dim light (By similarity).

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.