Rabbit anti-Human, Mouse OPN3 Polyclonal Antibody | anti-OPN3 antibody

OPN3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325493	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

OPN3; Polyclonal Antibody; OPN3 Antibody; ECPN; Encephalopsin; ERO; NMO 1; NMO1; OPN 3; Opn3; OPN3_HUMAN; Opsin 3; Opsin-3; Opsin3; Panopsin; anti-OPN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	OPN3 antibody detects endogenous levels of total OPN3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	402
Applicable Applications for anti-OPN3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Strongly expressed in brain. Highly expressed in the preoptic area and paraventricular nucleus of the hypothalamus. Shows highly patterned expression in other regions of the brain, being enriched in selected regions of the cerebral cortex, cerebellar Purkinje cells, a subset of striatal neurons, selected thalamic nuclei, and a subset of interneurons in the ventral horn of the spinal cord.
Predicted Cross Reactivity	**Horse, Rabbit, Dog**
Similarity	Horse (93%), Rabbit (93%), Dog (93%)
Conjugation	Unconjugated
Function	May play a role in encephatic photoreception.
Similarity	Belongs the G-protein coupled receptor 1 family. Opsin subfamily.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using OPN3 Antibody.



WB (Western Blot)
Western blot analysis of extracts from mouse brain cells, using Encephalopsin antibody.



IF (Immunofluorescence)
AAA325493 staining MCF7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OPN3 antibody	Function: May play a role in encephalic photoreception. Similarity: Belongs to the G-protein coupled receptor 1 family. Opsin subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71999131
NCBI GeneID	23596
NCBI Accession #	NP_055137.2
NCBI GenBank Nucleotide #	NM_014322.2
UniProt Accession #	Q9H1Y3; Q8IX08; Q9Y344
Molecular Weight	45 kDa
NCBI Official Full Name	opsin-3
NCBI Official Synonym Full Names	opsin 3
NCBI Official Symbol	OPN3
NCBI Official Synonym Symbols	ECPN; PPP1R116
NCBI Protein Information	opsin-3
UniProt Protein Name	Opsin-3
UniProt Gene Name	**OPN3**
UniProt Synonym Gene Names	ECPN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/opn3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325493