Rabbit Encephalopsin / OPN3 Polyclonal Antibody | anti-OPN3 antibody

Rabbit Polyclonal to Human Encephalopsin / OPN3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51601	**Rabbit**	**HumanPredicted Reactivity: Gibbon, Monkey (at least 90% immunogen sequence identity)**	**Immunohistochemistry**

PRODUCT SYNONYMS

Encephalopsin / OPN3; Polyclonal Antibody; Rabbit Polyclonal to Human Encephalopsin / OPN3; Anti-Encephalopsin / OPN3 Antibody (C-Terminus) IHC-plus; OPN3; ERO; Encephalopsin; NMO-1; Opsin 3; Opsin-3; ECPN; Panopsin; Human Encephalopsin; anti-OPN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human **Predicted Reactivity:** Gibbon, Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human OPN3 / Encephalopsin. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	402
Applicable Applications for anti-OPN3 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 16 amino acid peptide from C-terminus of human OPN3 / Encephalopsin. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset (94%); Panda (81%).
Immunogen Type	Synthetic peptide
Immunogen	Encephalopsin / OPN3 antibody was raised against synthetic 16 amino acid peptide from C-terminus of human OPN3 / Encephalopsin. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset (94%); Panda (81%).
Antigen Modification	C-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohiostchemistry)
Anti-Encephalopsin / OPN3 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-OPN3 / Encephalopsin antibody IHC of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-OPN3 antibody	Encephalopsin, a member of the Opsin subfamily of GPCRs, is similar in sequence to vertebrate retinal and pineal opsins and may affect photoreception in the brain.
Product Categories/Family for anti-OPN3 antibody	Family: GPCR; Subfamily: Opsin

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	35,730 Da
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; encephalopsin; opsin 3 (encephalopsin, panopsin); protein phosphatase 1, regulatory subunit 116
UniProt Protein Name	Opsin-3
UniProt Gene Name	**OPN3**
UniProt Synonym Gene Names	ECPN
UniProt Entry Name	OPN3_HUMAN

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/encephalopsin-opn3-antibody-immunohistochemistry-elisa/51601