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Datasheet for ABIN7269102
anti-OPN3 antibody (AA 300-400)

1 Image

Overview

Quantity:	100 µL
Target:	OPN3
Binding Specificity:	AA 300-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPN3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	OPN3 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 300-400 of human OPN3 (NP_055137.2).
Sequence:	SNTVYNPVIY VFMIRKFRRS LLQLLCLRLL RCQRPAKDLP AAGSEMQIRP IVMSQKDGDR PKKKVTFNSS SIIFIITSDE SLSVDDSDKT NGSKVDVIQV R
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

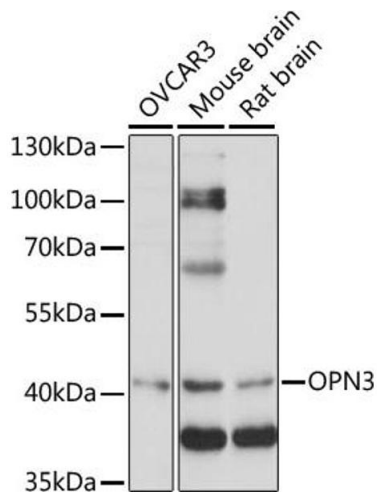
Target:	OPN3
Alternative Name:	OPN3 (OPN3 Products)
Background:	Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. In addition to the visual opsins, mammals possess several photoreceptive non-visual opsins that are expressed in extraocular tissues. This gene, opsin 3, is strongly expressed in brain and testis and weakly expressed in liver, placenta, heart, lung, skeletal muscle, kidney, and pancreas. The gene may also be expressed in the retina. The protein has the canonical features of a photoreceptive opsin protein.,OPN3,ECPN,PPP1R116,opsin-3,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Neuroscience,OPN3
Molecular Weight:	35kDa/44kDa
Gene ID:	23596
UniProt:	Q9H1Y3

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using OPN3 antibody (ABIN7269102) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.