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Datasheet for ABIN2788229
anti-OPN5 antibody (C-Term)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	OPN5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rabbit, Cow, Dog, Horse, Rat, Pig, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPN5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human OPN5
Sequence:	FFCLLLPTAV IVFSYVKIIA KVKSSSKEVA HFDSRIHSSH VLEMKLTQVA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against OPN5. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	OPN5
Alternative Name:	OPN5 (OPN5 Products)

Target Details

Background: Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. This opsin gene is expressed in the eye, brain, testes, and spinal cord. This gene belongs to the seven-exon subfamily of mammalian opsin genes that includes peropsin (RRH) and retinal G protein coupled receptor (RGR). Like these other seven-exon opsin genes, this family member may encode a protein with photoisomerase activity. Alternative splicing results in multiple transcript variants.

Alias Symbols: NEUROPSIN, PGR12, TMEM13, GPR136

Protein Size: 354

Molecular Weight: 40 kDa

Gene ID: 221391

NCBI Accession: [NM_181744](#), [NP_859528](#)

UniProt: [Q6U736](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 354 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

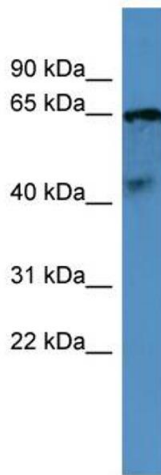
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Product cited in:

Yau, Liu, Fairlie: "Toward drugs for protease-activated receptor 2 (PAR2)." in: **Journal of medicinal chemistry**, Vol. 56, Issue 19, pp. 7477-97, (2013) ([PubMed](#)).

Images



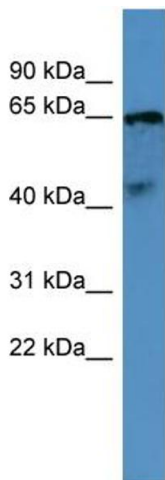
Western Blotting

Image 1. WB Suggested Anti-OPN5 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Human brain



Rabbit Anti-OPN5 Antibody
Catalog Number: ARP59824
Lot Number: QC30756
Lane: Fetal Brain Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-OPN5

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:2500

Positive Control: Human brain