

Datasheet for ABIN399999  
**anti-OPN3 antibody (Internal Region)**

## 3 Images

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## Overview

Quantity:	50 µg
Target:	OPN3
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from internal region of human OPN3 / Enkephalopsin. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Rat (100%), Mouse, Dog, Panda, Rabbit (94%), Horse, Opossum (88%), Turkey (81%).  Type of Immunogen: Synthetic peptide
Specificity:	Human OPN3 / Enkephalopsin. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Rat (100%) Mouse, Dog, Panda, Rabbit (94%) Horse, Opossum (88%) Turkey (81%).
Purification:	Immunoaffinity purified

## Target Details

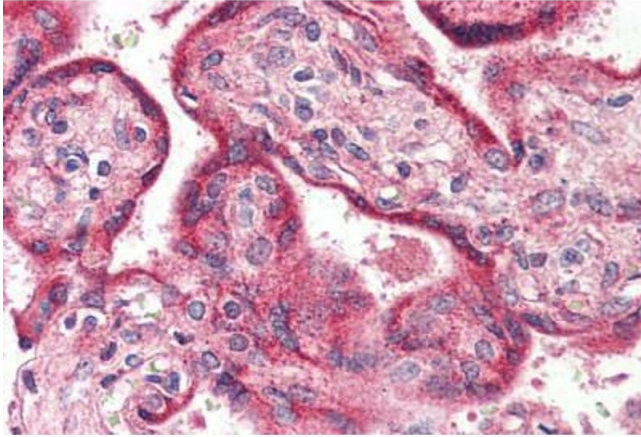
Target:	OPN3
Alternative Name:	Encephalopsin / OPN3 ( <a href="#">OPN3 Products</a> )
Background:	Name/Gene ID: OPN3 Subfamily: Opsin Family: GPCR  Synonyms: OPN3, ERO, Encephalopsin, NMO-1, Opsin 3, Opsin-3, ECPN, Panopsin
Gene ID:	23596

## Application Details

Application Notes:	Approved: ELISA, IHC, IHC-P (5 µg/mL)  Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after proteinase K antigen retrieval. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

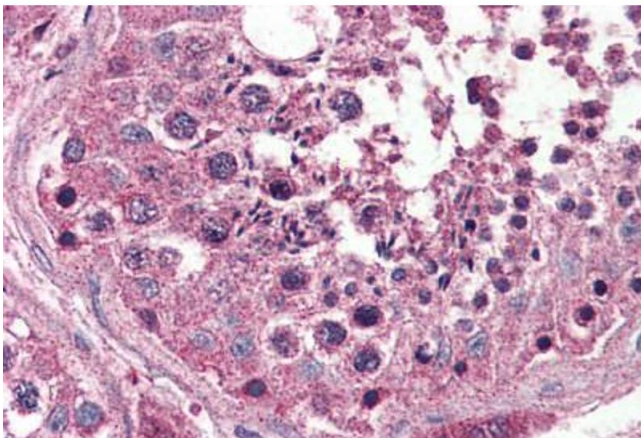
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.



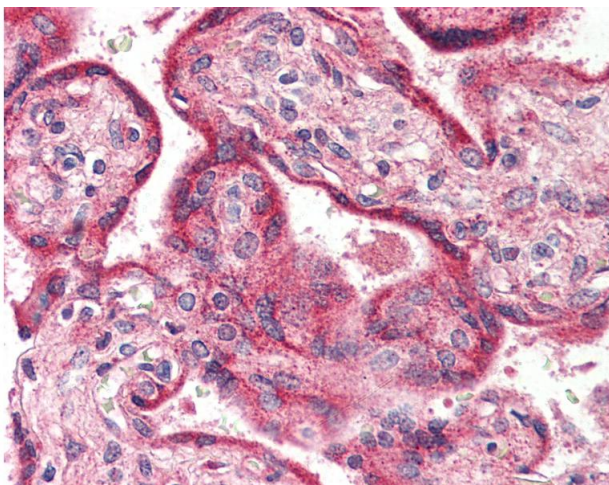
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Human Placenta (formalin-fixed, paraffin-embedded) stained with OPN3 antibody ABIN399999 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Human Testis (formalin-fixed, paraffin-embedded) stained with OPN3 antibody ABIN399999 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



#### Immunohistochemistry

**Image 3.** Anti-OPN3 / Encephalopsin antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.