

## ENPP4 Antibody

Catalog No: #37549

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## Description

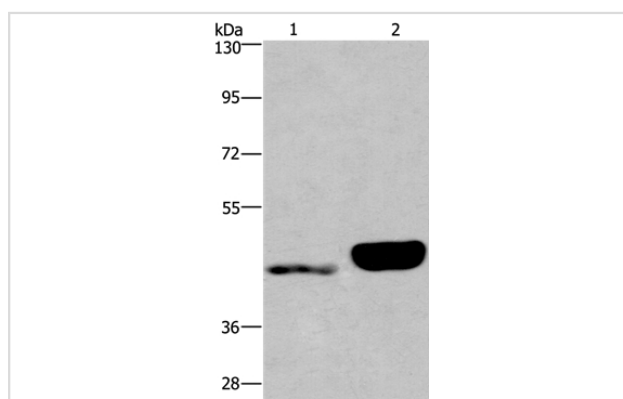
|                       |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | ENPP4 Antibody                                                                                                                                    |
| Host Species          | Rabbit                                                                                                                                            |
| Clonality             | Polyclonal                                                                                                                                        |
| Purification          | Antigen affinity purification.                                                                                                                    |
| Applications          | WB IHC                                                                                                                                            |
| Species Reactivity    | Hu                                                                                                                                                |
| Specificity           | The antibody detects endogenous levels of total ENPP4 protein.                                                                                    |
| Immunogen Type        | Peptide                                                                                                                                           |
| Immunogen Description | Synthetic peptide corresponding to a region derived from internal residues of human ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative) |
| Target Name           | ENPP4                                                                                                                                             |
| Other Names           | NPP4                                                                                                                                              |
| Accession No.         | Swiss-Prot#: Q9Y6X5NCBI Gene ID: 22875Gene Accssion: NP_055751                                                                                    |
| Uniprot               | Q9Y6X5                                                                                                                                            |
| GeneID                | 22875;                                                                                                                                            |
| SDS-PAGE MW           | 52kd                                                                                                                                              |
| Concentration         | 1.5mg/ml                                                                                                                                          |
| Formulation           | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.                                                                                   |
| Storage               | Store at -20°C                                                                                                                                    |

## Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 6%SDS-PAGE

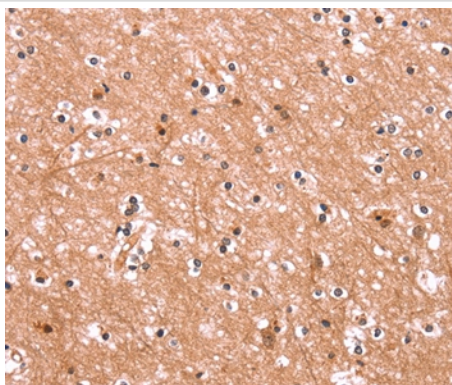
Lysates (from left to right): Human endometrial cancer and placenta tissue

Amount of lysate: 40ug per lane

Primary antibody: 1/200 dilution

Secondary antibody dilution: 1/8000

Exposure time: 40 seconds



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #37549 at dilution 1/15.

## Background

NPP4, also known as ENPP4 (ectonucleotide pyrophosphatase/phosphodiesterase family member 4), is a 453 amino acid single-pass type I membrane protein that belongs to the nucleotide pyrophosphatase/phosphodiesterase family. The gene that encodes NPP4 consists of approximately 16,736 bases and maps to human chromosome 6p21.1. Making up nearly 6% of the human genome, chromosome 6 contains around 1,200 genes within 170 million base pairs of sequence. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer suggesting the presence of a cancer susceptibility locus. Porphyria cutanea tarda is associated with chromosome 6 through the HFE gene, and Stickler syndrome, 21-hydroxylase deficiency and maple syrup urine disease are also associated with genes on chromosome 6. Notably, the PARK2 gene, which is associated with Parkinson's disease, and the genes encoding the major histocompatibility complex proteins are also located on chromosome 6. A bipolar disorder susceptibility locus has been identified on the q arm of chromosome 6.

Note: This product is for in vitro research use only