

For Research Use Only

# TTYH3 Polyclonal antibody

Catalog Number: 24707-1-AP



## Basic Information

### Catalog Number:

24707-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18804

### GenBank Accession Number:

BC131824

### GeneID (NCBI):

80727

### UNIPROT ID:

Q9C0H2

### Full Name:

tweety homolog 3 (Drosophila)

### Calculated MW:

523 aa, 58 kDa

### Observed MW:

50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HeLa cells, U2OS cells

## Background Information

Tweety homologs (TTYHs) are conserved transmembrane proteins present in all eukaryotes including three members (TTYH1, TTYH2, and TTYH3) in humans. They are widely expressed in mammals including at high levels in the nervous system and have been implicated in cancers and other diseases including epilepsy, chronic pain, and viral infections. Physiologically, TTYH2 and TTYH3 are broadly expressed, while expression of TTYH1 is primarily limited to the nervous system, testes, and stem cells. TTYH3 is upregulated in gastric cancer with higher expression correlated with poor clinical outcomes. (PMID: 34824283)

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

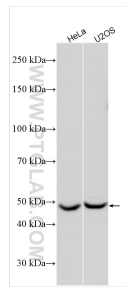
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24707-1-AP (TTYH3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.