

YWHAE Antibody

Catalog No: #31003

Package Size: #31003-1 50ul #31003-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | YWHAE Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Applications | E WB IHC |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of total YWHAE protein. |
| Immunogen Type | Recombinant protein |
| Immunogen Description | Fusion protein corresponding to C terminal 254 amino acids of Human Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide |
| Target Name | YWHAE |
| Other Names | Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide, MDS, MDCR, KCIP-1, 14-3-3E |
| Accession No. | Genbank No.: BC000179 |
| Formulation | Supplied at 0.8mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol. |
| Storage | Store at -20°C/1 year |

Application Details

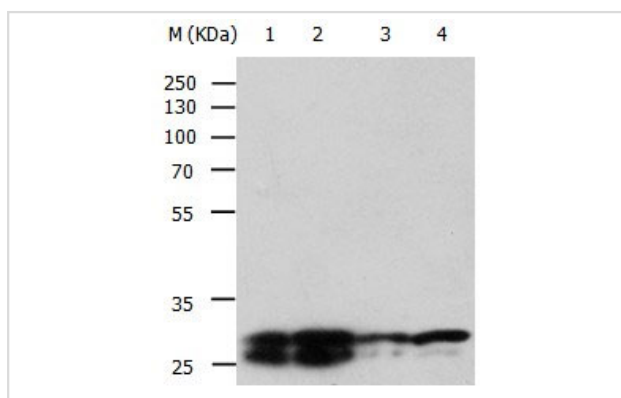
Predicted MW: 29kd

ELISA: 1:500-1:10000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:150

Images



Gel: 10%SDS-PAGE

Lane1: HT-29 cell lysate

Lane2: Mouse brain tissues

Lane3: 293T cell lysate

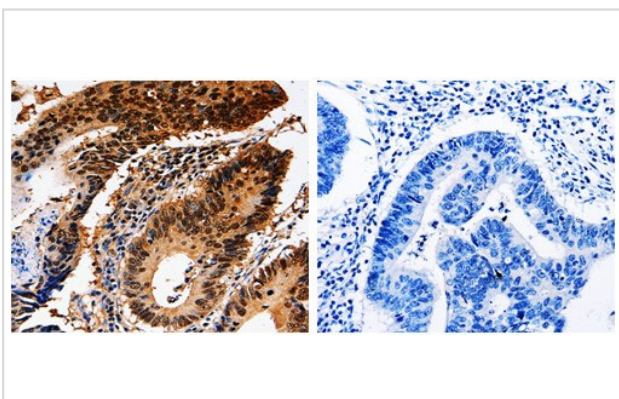
Lane4: Hela cell lysate

Lysates: 30ug per lane

Primary antibody: 1/250 dilution

Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/3000 dilution

Exposure time: 1 second



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 31003(YWHAE Antibody) at dilution 1/10, on the right is treated with the fusion protein.

Background

This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.