

## YWHAQ Antibody

Catalog No: #31247

Package Size: #31247-1 50ul #31247-2 100ul

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## Description

Product Name	YWHAQ Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total YWHAQ protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 140-154 amino acids of Human tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
Target Name	YWHAQ
Other Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide, 1C5, HS1, 14-3-3
Accession No.	Swiss-Prot:P27348Gene ID:10971;
Uniprot	P27348
GeneID	10971;
Concentration	0.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

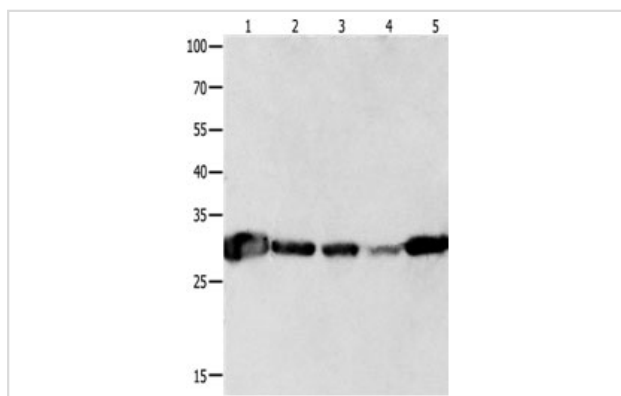
Predicted MW: 28kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 10%+12% SDS-PAGE

Lane1: Mouse brain tissue lysate

Lane2: A549 cell lysate

Lane3: Human lymphoma tissue lysate

Lane4: NIH/3T3 cell lysate

Lane5: Human colon cancer tissue lysate

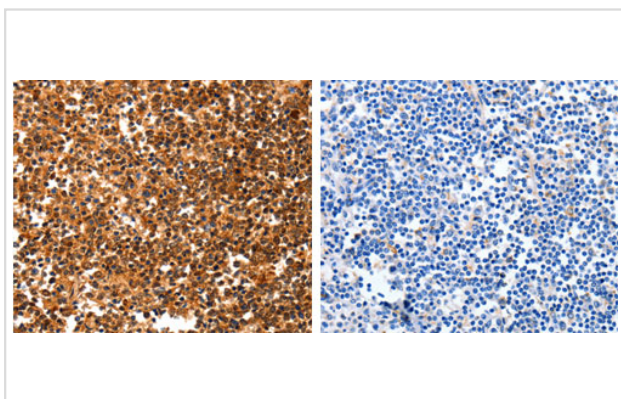
Lysates: 40 µg per lane

Primary antibody: 1/300 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at

1/10000 dilution

Exposure time: 5 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 31247 (YWHAQ Antibody) at dilution 1/20, on the right is treated with the synthetic peptide.

## 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 99% identical to the mouse and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease.?

Note: This product is for in vitro research use only