CYFIP2 Antibody

Catalog No: #36383

Description

Product Name	CYFIP2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total CYFIP2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human cytoplasmic FMR1 interacting protein 2
Target Name	CYFIP2
Other Names	PIR121
Accession No.	Swiss-Prot#: Q96F07NCBI Gene ID: 26999Gene Accssion: BC011762
Uniprot	Q96F07
GeneID	26999;
SDS-PAGE MW	149kd
Concentration	1.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200
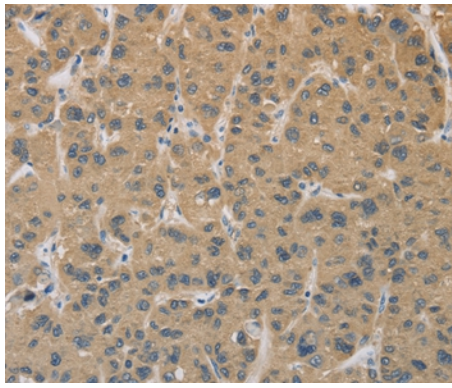
Images
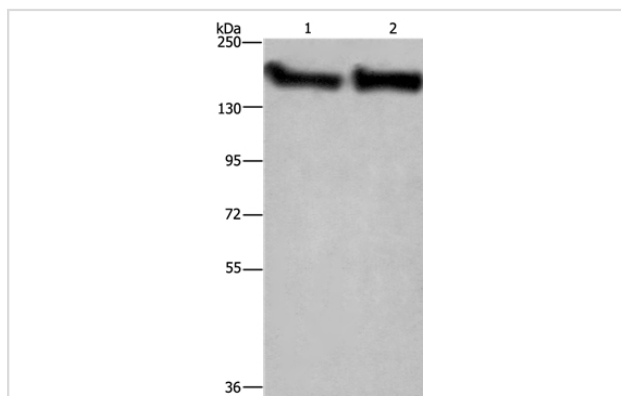
Gel: 6%SDS-PAGE
Lysates (from left to right): Mouse brain and human fetal brain tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/300 dilution
Secondary antibody dilution: 1/8000
Exposure time: 2 minutes

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #36383 at dilution 1/25.

Background

CYFIP2 (Cytoplasmic FMR1-interacting protein 2, p53-inducible protein 121) is a 1,278 amino acid protein encoded by the human gene CYFIP2. CYFIP2 belongs to the CYFIP family and is involved in T-cell adhesion and p53-dependent induction of apoptosis. It interacts with FMR1, FXR1 and FXR2 and is a component of the WAVE1 complex composed of Abi-2, CYFIP2, C3orf10/HSPC300, NAP125 and WASF1/WAVE1. Upon binding to activated Rac 1, CYFIP2 causes the complex to dissociate, releasing activated WASF1. The CYFIP2 promoter contains a p53-responsive element that confers p53 binding as well as transcriptional activation of a heterologous reporter. Induced expression of CYFIP2 is sufficient for caspase activation and cellular apoptosis, reminiscent of p53 activation.

Note: This product is for in vitro research use only