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Anti-EIF4G2 Antibody

Catalog # AP51184

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P78344
Reactivity	Human, Mouse, Rat, Rabbit, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102362

Additional Information

Gene ID	1982
Other Names	DAP5; Eukaryotic translation initiation factor 4 gamma 2; eIF-4-gamma 2; eIF-4G 2; eIF4G 2; Death-associated protein 5; DAP-5; p97
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human EIF4G2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

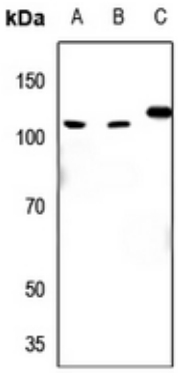
Name	EIF4G2 (HGNC:3297)
Function	Appears to play a role in the switch from cap-dependent to IRES-mediated translation during mitosis, apoptosis and viral infection. Cleaved by some caspases and viral proteases.
Tissue Location	Ubiquitously expressed in all adult tissues examined, with high levels in skeletal muscle and heart. Also expressed in fetal brain, lung, liver and kidney.

References

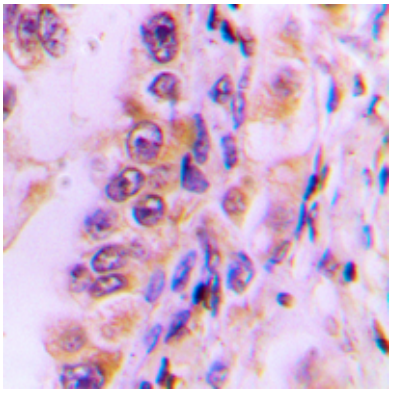
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Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.

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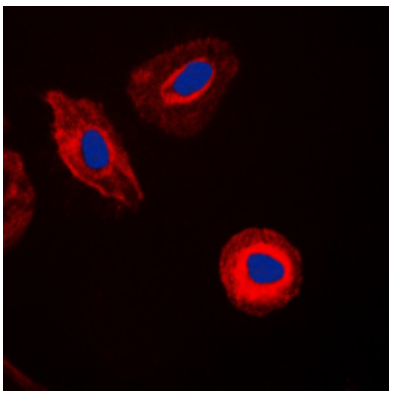
Images



Western blot analysis of EIF4G2 expression in Hela (A), U2OS (B), mouse liver (C) whole cell lysates. (Predicted band size: 102 kD; Observed band size: 102 kD)



Immunohistochemical analysis of EIF4G2 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of EIF4G2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.