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Anti-TROVE2 Antibody

Catalog # AP51710

Product Information

Application	WB, IF/IC
Primary Accession	P10155
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60671

Additional Information

Gene ID	6738
Other Names	RO60; SSA2; 60 kDa SS-A/Ro ribonucleoprotein; 60 kDa Ro protein; 60 kDa ribonucleoprotein Ro; RoRNP; Ro 60 kDa autoantigen; Sjoegren syndrome antigen A2; Sjoegren syndrome type A antigen; SS-A; TROVE domain family member 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TROVE2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) 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

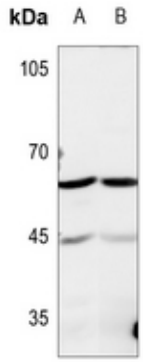
Protein Information

Name	RO60 (HGNC:11313)
Function	RNA-binding protein that binds to misfolded non-coding RNAs, pre-5S rRNA, and several small cytoplasmic RNA molecules known as Y RNAs (PubMed:18056422, PubMed:26382853). Binds to endogenous Alu retroelements which are induced by type I interferon and stimulate porinflammatory cytokine secretion (PubMed:26382853). Regulates the expression of Alu retroelements as well as inflammatory genes (PubMed:26382853). May play roles in cilia formation and/or maintenance (By similarity).
Cellular Location	Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

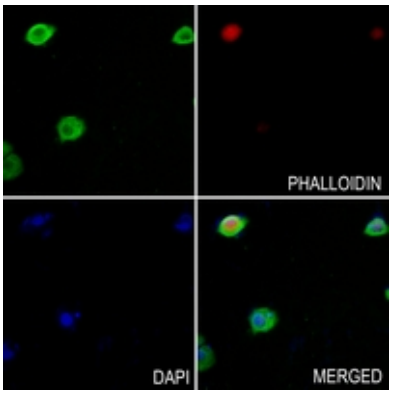
References

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Ben-Chetrit E.,et al.J. Clin. Invest. 83:1284-1292(1989).
Buyon J.P.,et al.Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.
Han Q.,et al.Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
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Images



Western blot analysis of TROVE2 expression in HEK293T (A), A549 (B) whole cell lysates. (Predicted band size: 60 kD; Observed band size: 60 kD)



Immunofluorescent analysis of TROVE2 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). 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'.