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Anti-ERAS Antibody

Catalog # AP51193

Product Information

Application	WB, IF/IC
Primary Accession	Q7Z444
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25287

Additional Information

Gene ID	3266
Other Names	HRAS2; HRASP; GTPase ERas; E-Ras; Embryonic stem cell-expressed Ras
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ERAS. 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

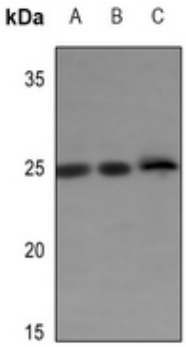
Protein Information

Name	ERAS
Synonyms	HRAS2, HRASP
Function	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the tumor-like growth properties of embryonic stem cells (By similarity).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side

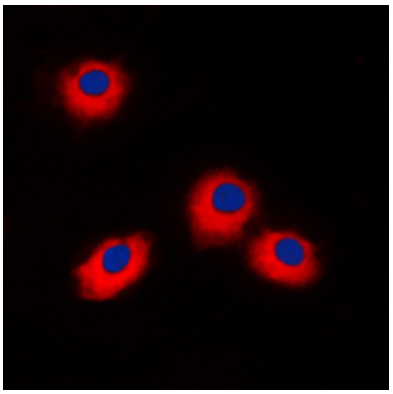
References

Takahashi K.,et al.Nature 423:541-545(2003).

Images



Western blot analysis of ERAS expression in mouse liver (A), mouse testis (B), rat liver (C) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)



Immunofluorescent analysis of ERAS staining in Jurkat 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'.