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ERAS Rabbit pAb

Catalog # AP99008

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q7Z444
Other Accession	Q7Z444
Predicted	Rat, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25287
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ERAS/HRAS2
Epitope Specificity	20-120/233
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the small GTPase superfamily. Ras family.
SUBUNIT	Interacts with PIK3CD (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ERAS belongs to the small GTPase superfamily. Ras family. Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. The ERas gene is expressed in embryonic stem (ES) cells and promotes their in vitro proliferation and tumorigenicity. ERas-null ES cells maintain pluripotency but show significantly reduced growth and tumorigenicity, which are rescued by expression of ERas complementary DNA or by activated phosphatidylinositol-3-OH kinase.

Additional Information

Gene ID	3266
Other Names	HRAS2; HRASP; Ha-Ras2; ecat5; RASE_HUMAN; ERAS; E-Ras; Embryonic stem cell-expressed Ras; 3.6.5.2; RASE_MOUSE; ES cell expressed Ras; v-Ha-ras Harvey rat sarcoma viral oncogene homolog pseudogene
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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