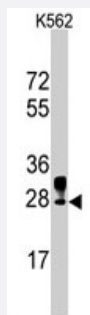


ERAS polyclonal antibody

Catalog # PAB3129

Size 400 uL

Applications



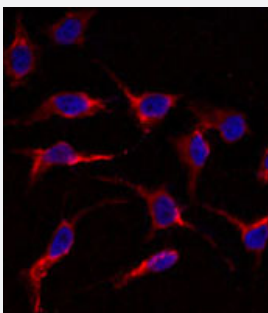
Western Blot (Cell lysate)

Western blot analysis of ERAS polyclonal antibody (Cat # PAB3129) in K-562 cell line lysates (35 ug/lane). ERAS (arrow) was detected using the purified polyclonal antibody.



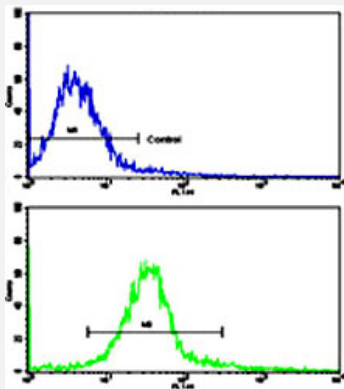
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human brain tissue reacted with ERAS polyclonal antibody (Cat # PAB3129), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunofluorescence

Immunofluorescence analysis of ERAS polyclonal antibody (Cat # PAB3129) in HeLa cells. Primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.



Flow Cytometry

Flow cytometric analysis of HeLa cells using ERAS polyclonal antibody (Cat # PAB3129)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ERAS.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human ERAS.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunofluorescence (1:10-50) Immunohistochemistry (1:50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — ERAS

Entrez GeneID	3266
Protein Accession#	NP_853510:Q7Z444
Gene Name	ERAS
Gene Alias	HRAS2, HRASP, MGC126691, MGC126693
Gene Description	ES cell expressed Ras
Omim ID	300437
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000065857 small GTPase protein E-Ras v-Ha-ras Harvey rat sarcoma viral oncogene homolog 2 v-Ha-ras Harvey rat sarcoma viral oncogene homolog pseudogene

Publication Reference

- [Human ERas gene has an upstream premature polyadenylation signal that results in a truncated, noncoding transcript.](#)

Kameda T, Thomson JA.

Stem Cells 2005 Nov; 23(10):1535.

- [Role of ERas in promoting tumour-like properties in mouse embryonic stem cells.](#)

Takahashi K, Mitsui K, Yamanaka S.

Nature 2003 May; 423(6939):541.

Application: WB, Human, Mouse, CGR8, J1, MG1.19, RF8 cells

- [The human c-Ha-ras2 is a processed pseudogene inactivated by numerous base substitutions.](#)

Miyoshi J, Kagimoto M, Soeda E, Sakaki Y.

Nucleic Acids Research 1984 Feb; 12(4):1821.