

E-Ras Polyclonal Antibody

Catalog No :	YT1607
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IF;ELISA
Target :	E-Ras
Gene Name :	ERAS
Protein Name :	GTPase Eras
Human Gene Id :	3266
Human Swiss Prot No :	Q7Z444
Mouse Swiss Prot No :	Q7TN89
Immunogen :	The antiserum was produced against synthesized peptide derived from human ERAS. AA range:184-233
Specificity :	E-Ras Polyclonal Antibody detects endogenous levels of E-Ras protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	25kD

Background :

This gene encodes a constitutively active member of the small GTPase Ras protein family. The encoded protein activates the phosphatidylinositol 3-kinase signal transduction pathway in undifferentiated stem cells, but is not expressed in differentiated cells. This gene may be involved in cancer and chemotherapy resistance. [provided by RefSeq, Dec 2012],

Function :

enzyme regulation:Alternate between an inactive form bound to GDP and an active form bound to GTP. Activated by a guanine nucleotide-exchange factor (GEF) and inactivated by a GTPase-activating protein (GAP).,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.,similarity:Belongs to the small GTPase superfamily. Ras family.,subunit:Interacts with PIK3CD.,

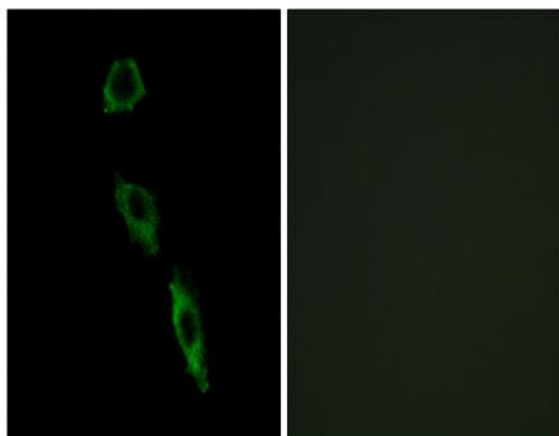
Subcellular Location :

Cell membrane ; Lipid-anchor ; Cytoplasmic side .

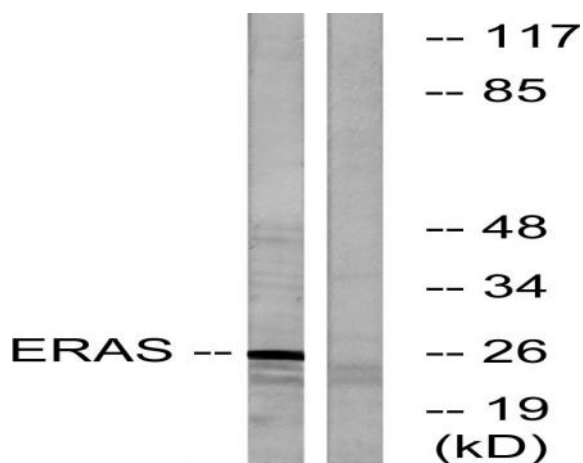
Expression :

Brain,

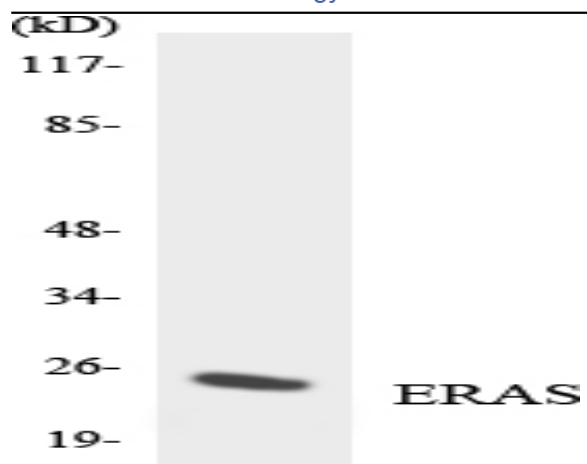
Products Images



Immunofluorescence analysis of A549 cells, using ERAS Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using ERAS Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using ERAS antibody.