Best Tools for immunology Research

Acetyl eIF5A/eIF5A2 (K47) Polyclonal Antibody

Catalog No :	YK0021
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	eIF5A2
Gene Name :	EIF5A2
Protein Name :	Eukaryotic translation initiation factor 5A-2
Human Gene Id :	56648
Human Swiss Prot No :	Q9GZV4
Mouse Gene Id :	208691
Mouse Swiss Prot No :	Q8BGY2
Immunogen :	The antiserum was produced against synthesized Acetyl-peptide derived from human eIF5A around the Acetylation site of Lys47. AA range:11-60
Specificity :	Acetyl-eIF5A/eIF5A2 (K47) Polyclonal Antibody detects endogenous levels of eIF5A/eIF5A2 protein only when acetylated at K47.
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. 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)

Molecularweight :	17kD
Background :	function:The precise role of eIF-5A in protein biosynthesis is not known but it functions by promoting the formation of the first peptide bond.,PTM:eIF-5A seems to be the only eukaryotic protein to have an hypusine residue which is a post-translational modification of a lysine by the addition of a butylamino group (from spermidine).,similarity:Belongs to the eIF-5A family.,tissue specificity:Expressed in ovarian and colorectal cancer cell lines (at protein level). Highly expressed in testis. Overexpressed in some cancer cells.,
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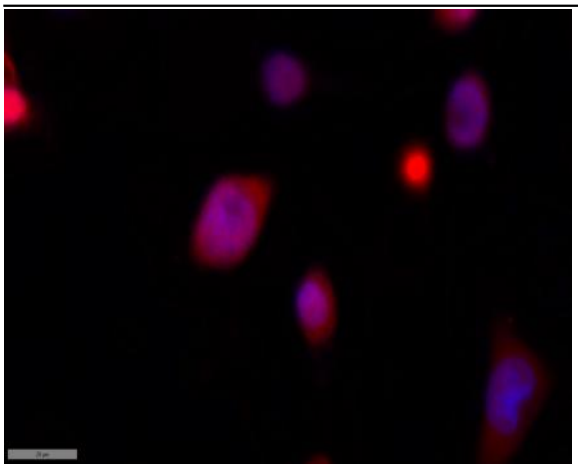
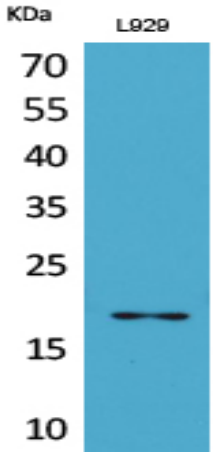
Subcellular Location :	Cytoplasm . Nucleus . Endoplasmic reticulum membrane ; Peripheral membrane protein ; Cytoplasmic side . Nucleus, nuclear pore complex . Hypusine modification promotes the nuclear export and cytoplasmic localization and there was a dynamic shift in the localization from predominantly cytoplasmic to primarily nuclear under apoptotic inducing conditions. .
Expression :	Expressed in ovarian and colorectal cancer cell lines (at protein level). Highly expressed in testis. Overexpressed in some cancer cells.
Sort :	1631
No4 :	1
Host :	Rabbit
Modifications :	Acetyl

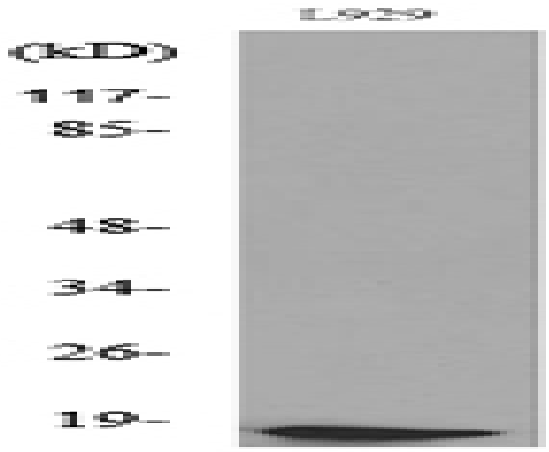
Products Images



Immunofluorescence analysis of MCF7 cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).



Western blot analysis of L929 lysis using antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from L929 cells, using eIF5A (Acetyl-Lys47) Antibody.