

Rabbit EIF5 Polyclonal Antibody | anti-EIF5 antibody

Phospho-EIF5 (Ser389+Ser390) Antibody

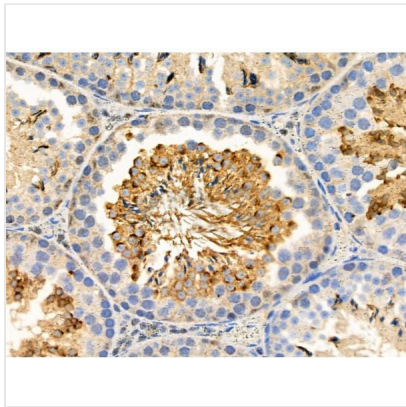
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329933	Rabbit	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (90%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

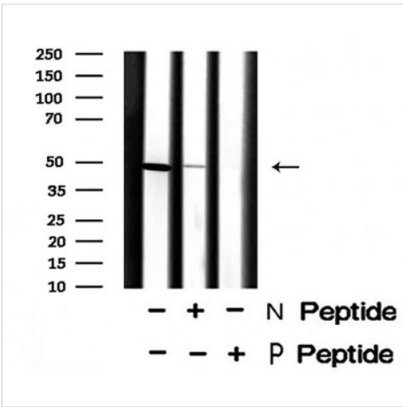
EIF5; Polyclonal Antibody; Phospho-EIF5 (Ser389+Ser390) Antibody; 2810011H21Rik; D12Ertd549e; EIF 5; EIF 5A; eIF-5; Eif5; Eukaryotic initiation factor 5; Eukaryotic translation initiation factor 5; IF5_HUMAN; MGC36374; MGC36509; anti-EIF5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (90%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-EIF5 (Ser389+Ser390) Antibody detects endogenous levels of EIF5 only when phosphorylated at Ser389+Ser390.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-EIF5 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EIF5 around the phosphorylation site of Ser389+Ser390.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with FMR1 isoform 6; this interaction occurs in a RNA-dependent manner.
Similarity	Belongs to the eIF-2-beta/eIF-5 family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
Staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of EIF5 (Phospho-Ser389+Ser390) using MDA-MB-435 whole cell lysates. -/+ means absence or presence of N peptide(1/4 non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-EIF5 antibody	Catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex (40S.mRNA.Met-tRNA[F].eIF-2.GTP) with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex (80S.mRNA.Met-tRNA[F]).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361337
NCBI GeneID	1983
NCBI Accession #	NP_001960
NCBI GenBank Nucleotide #	NM_001969
UniProt Accession #	P55010; Q53XB3; Q9H5N2; Q9UG48
Molecular Weight	49,223 Da
NCBI Official Full Name	eukaryotic translation initiation factor 5
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 5
NCBI Official Symbol	EIF5
NCBI Official Synonym Symbols	EIF-5; EIF-5A
NCBI Protein Information	eukaryotic translation initiation factor 5
UniProt Protein Name	Eukaryotic translation initiation factor 5
UniProt Gene Name	EIF5
UniProt Synonym Gene Names	eIF-5
UniProt Entry Name	IF5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.