

Rabbit EEF1A2 Polyclonal Antibody | anti-EEF1A2 antibody

Phospho-EEF1A2 (Ser358) Antibody

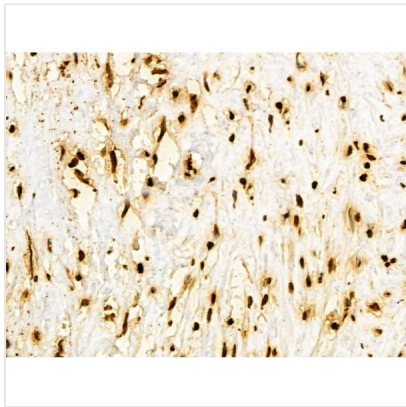
CATALOG # AAA31289	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

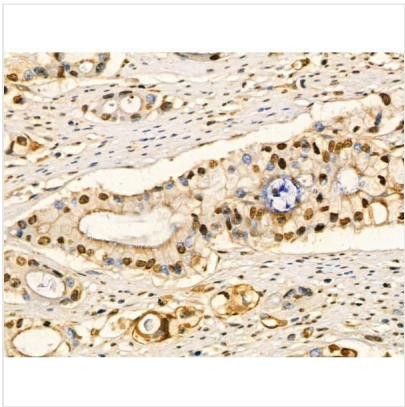
EEF1A2; Polyclonal Antibody; Phospho-EEF1A2 (Ser358) Antibody; eEF1A-2; Eef1a2; EEF1AL; EF 1 alpha 2; EF-1-alpha-2; EF1A; EF1A2_HUMAN; Elongation factor 1 A 2; Elongation factor 1 alpha; Elongation factor 1 alpha 2; Elongation factor 1-alpha 2; Eukaryotic elongation factor 1 A-2; Eukaryotic translation elongation factor 1 alpha 2; FLJ41696; HS1; OTTHUMP00000031776; Statin like; Statin S1; Statin-S1; STN; STNL; anti-EEF1A2 antibody

PRODUCT SPECIFICATIONS

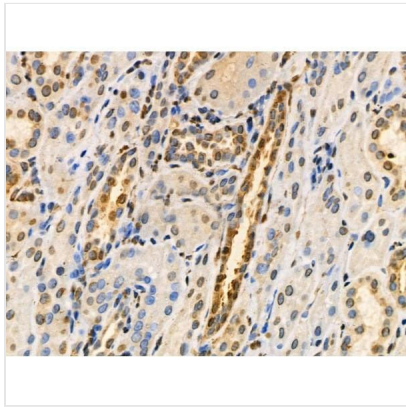
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-EEF1A2 (Ser358) Antibody detects endogenous levels of EEF1A2 only when phosphorylated at Ser358. Tissue Specificity: Brain, heart, and skeletal muscle.
Purity/Purification	The antibody is from purified 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-EEF1A2 antibody	IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	IHC: 1:50-1:200 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human EEF1A2 around the phosphorylation site of Ser358.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Trimethylated at Lys-165 by EEF1AKMT3. Mono-, di-, and trimethylated at Lys-36 by EEF1AKMT4; trimethylated form is predominant. Methylation by EEF1AKMT4 contributes to the fine-tuning of translation rates for a subset of tRNAs. Trimethylated at the N-terminus by EEF1AKNMT. Mono- and dimethylated at Lys-55 by EEF1AKNMT; dimethylated form is predominant.
Subunit Structure	Monomer.
Similarity	Belongs to the TRAFAC class translation factor GTPase superfamily. Classic translation factor GTPase family. EF-Tu/EF-1A subfamily.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
At 1/100 staining Human prostate cancer and adjacent normal tissues 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.



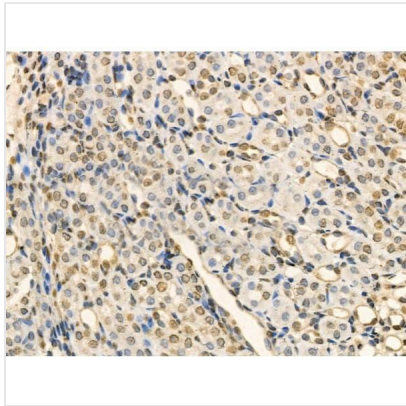
IHC (Immunohistochemistry)
At 1/100 staining Human gastric cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



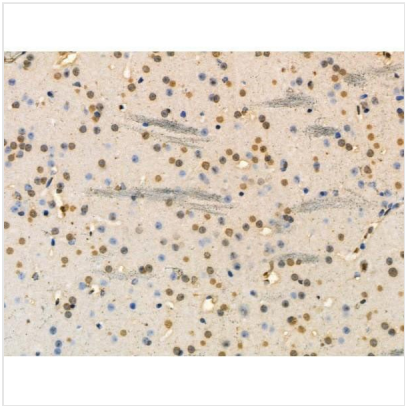
IHC (Immunohistochemistry)
At 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Mouse lung 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.



IHC (Immunohistochemistry)
At 1/100 staining Mouse kidney 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.



IHC (Immunohistochemistry)
At 1/100 staining Mouse brain 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.

ADDITIONAL INFORMATION

Related Product Information for anti-EEF1A2 antibody	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503475
NCBI GeneID	1917
NCBI Accession #	NP_001949.1
NCBI GenBank Nucleotide #	NM_001958.3
UniProt Accession #	Q05639; P54266; Q0VGC7; B5BUF3; E1P5J1
Molecular Weight	50kDa
NCBI Official Full Name	elongation factor 1-alpha 2
NCBI Official Synonym Full Names	eukaryotic translation elongation factor 1 alpha 2
NCBI Official Symbol	EEF1A2
NCBI Official Synonym Symbols	HS1; STN; EF1A; STNL; EEF1AL; EF-1-alpha-2
NCBI Protein Information	elongation factor 1-alpha 2; eEF1A-2; statin S1; statin-S1; elongation factor-1 alpha; eukaryotic elongation factor 1 A-2
UniProt Protein Name	Elongation factor 1-alpha 2
UniProt Gene Name	EEF1A2
UniProt Synonym Gene Names	EEF1AL; STN; EF-1-alpha-2; eEF1A-2
UniProt Entry Name	EF1A2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eef1a2-antibody-immunohistochemistry-peptide-elisa-elisa/31289>