

Rabbit eIF2alpha Antibody | anti-eIF2alpha antibody

eIF2alpha (Phospho-Ser51) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA17986	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry

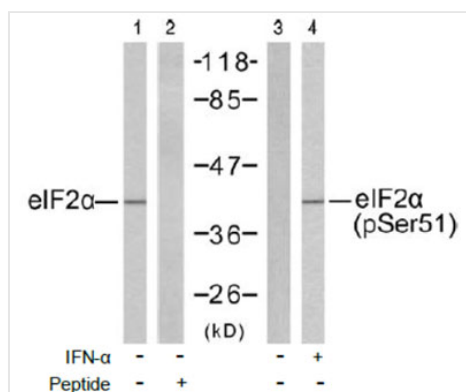
PRODUCT SYNONYMS

eIF2alpha; eIF2alpha (Phospho-Ser51) Antibody; anti-eIF2alpha antibody

PRODUCT SPECIFICATIONS

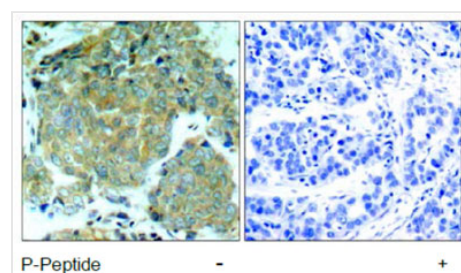
Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Specificity	eIF2 α ? (phospho-Ser51) antibody detects endogenous levels of eIF2 α ? only when phosphorylated at serine 51.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	315
Applicable Applications for anti-eIF2alpha antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500~1:1000 IHC: 1:50~1:100
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human eIF2 α ? around the phosphorylation site of serine 51 (E-L-S ^P -R-R).
Preparation and Storage	Store at -20°C for 1 year.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells untreated or treated with IFN- α ; (100ng/ml, 20min), using eIF2 α ; (Ab-51) antibody (, Lane 1 and 2) and eIF2 α ; (phospho-Ser51) antibody (AAA17986, Lane 3 and 4).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using eIF2 α ; (phospho-Ser51) antibody (AAA17986).

ADDITIONAL INFORMATION

Product Categories/Family for anti-eIF2alpha antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Xavier Saelens, et al. (2001) J. Biol. Chem; 276: 41620-41628. Hiroyuki Kubota, et al. (2003) J. Biol. Chem; 278: 20457-20460. Shijian Chu, et al. (2006) Am J Physiol Lung Cell Mol Physiol; 291: L983-L992. Eileen Connolly, et al. (2006) Mol. Cell. Biol; 26: 3955-3965.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758256
NCBI GeneID	1965
NCBI Accession #	NP_004085.1
NCBI GenBank Nucleotide #	NM_004094.4
UniProt Accession #	P05198
NCBI Official Full Name	eukaryotic translation initiation factor 2 subunit 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2 subunit alpha
NCBI Official Symbol	EIF2S1
NCBI Official Synonym Symbols	EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha
NCBI Protein Information	eukaryotic translation initiation factor 2 subunit 1
UniProt Protein Name	Eukaryotic translation initiation factor 2 subunit 1
UniProt Gene Name	EIF2S1
UniProt Synonym Gene Names	EIF2A; eIF-2-alpha; eIF-2A; eIF-2alpha

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/rabbit-human-mouse-rat-antibody/eif2alpha/17986>