

eIF2alpha Antibody | anti-eIF2alpha antibody

eIF2alpha (Ab-51) Antibody

CATALOG # AAA17981	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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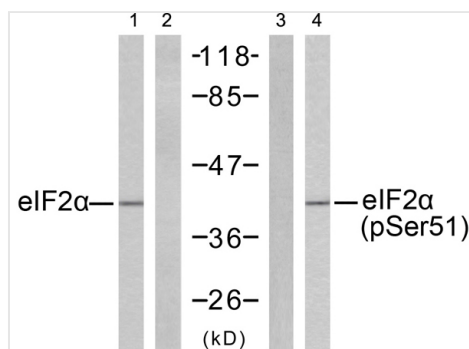
PRODUCT SYNONYMS

eIF2alpha; eIF2alpha (Ab-51) Antibody; anti-eIF2alpha antibody

PRODUCT SPECIFICATIONS

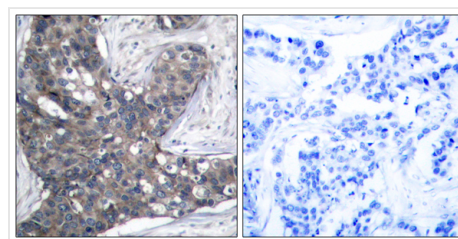
Reactivity	Human, Mouse, Rat
Specificity	eIF2alpha (Ab-51) antibody detects endogenous levels of total eIF2alpha protein.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), 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 non-phosphopeptide derived from humaneIF2alpha around the phosphorylation site of serine 51 (E-L-SP-R-R).
Preparation and Storage	Store at -20 degree 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 eIF2α (Ab-51) antibody and eIF2α (phospho-Ser51) antibody.



IHC (Immunohistochemistry)

Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using eIF2α (Ab-51) antibody.

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
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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.
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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.