

EIF3D Antibody

Catalog No: #34681

Package Size: #34681-1 50ul #34681-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

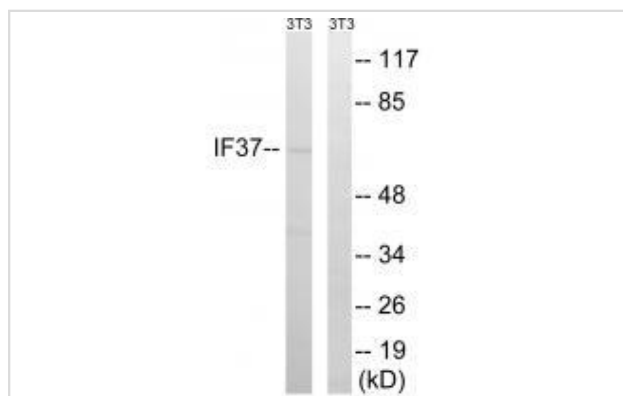
Product Name	EIF3D Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total EIF3D protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human EIF3D.
Target Name	EIF3D
Other Names	eIF-3 zeta; eIF3 p66; eIF3d; EIF3S7; Eukaryotic translation initiation factor 3 subunit 7
Accession No.	Swiss-Prot: O15371NCBI Gene ID: 8664
Uniprot	O15371
GeneID	8664;
SDS-PAGE MW	64kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

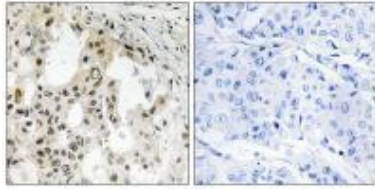
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 3T3 cells, using EIF3D antibody #34681.

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using EIF3D antibody #34681.



Background

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. HAMAP-Rule MF_03003

Asano K., J. Biol. Chem. 272:27042-27052(1997).

Kalnine N., Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Collins J.E., Genome Biol. 5:RESEARCH84.1-RESEARCH84.11(2004).

Note: This product is for in vitro research use only