

EIF4G2 antibody

Catalog No: #38486

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Description

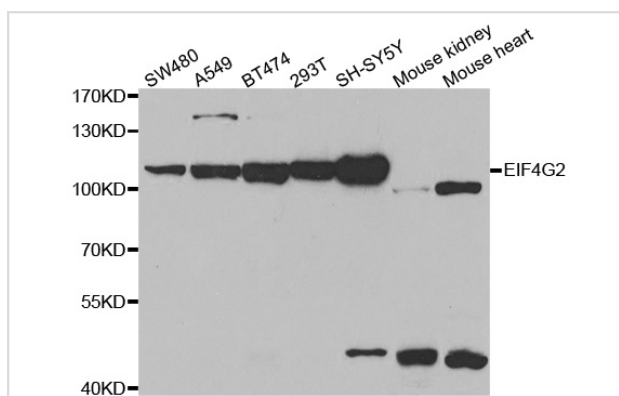
Product Name	EIF4G2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total EIF4G2 antibody.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human EIF4G2.
Target Name	EIF4G2
Other Names	P97;AAG1;DAP5;NAT1;
Accession No.	Swiss-Prot#: P78344NCBI Gene ID: 1982
SDS-PAGE MW	102kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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

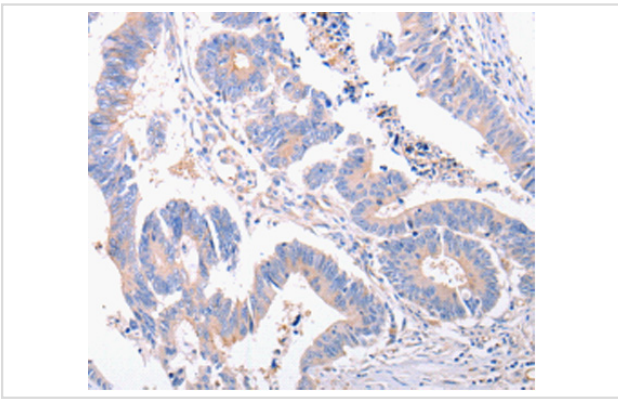
Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: □ 1:50 - 1:100

Images



Western blot analysis of extracts of various cell lines, using EIF4G2 antibody.



Immunohistochemistry analysis of paraffin-embedded human colon cancer tissue using EIF4G2 antibody.

Background

Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.