EIF4G1 Antibody

Catalog No: #37544

SAB®
Signalway Antibody

Description

Product Name	EIF4G1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total EIF4G1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human eukaryotic translation initiation factor 4 gamma, 1
Target Name	EIF4G1
Other Names	P220; EIF4F; EIF4G; EIF4GI; PARK18; EIF-4G1
Accession No.	Swiss-Prot#: Q04637NCBI Gene ID: 1981Gene Accssion: NP_004944
Uniprot	Q04637
GeneID	1981;
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:25-1:100

Images
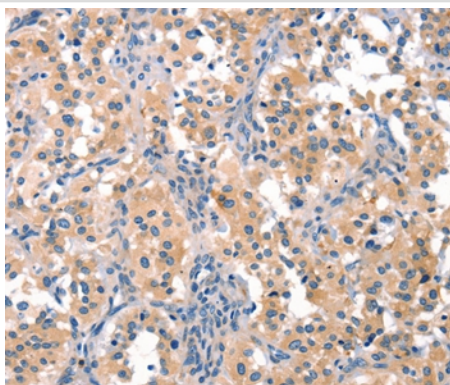
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #37544 at dilution 1/25.

Background

The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment of mRNA to the ribosome, which is a rate-limiting step during the initiation phase of protein synthesis. The recognition of the mRNA cap and the ATP-dependent

unwinding of 5'-terminal secondary structure is catalyzed by factors in this complex. The subunit encoded by this gene is a large scaffolding protein that contains binding sites for other members of the EIF4F complex. A domain at its N-terminus can also interact with the poly(A)-binding protein, which may mediate the circularization of mRNA during translation. Alternative splicing results in multiple transcript variants, some of which are derived from alternative promoter usage.?