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Anti-ATF6B Antibody

Catalog # AP59990

Product Information

Application	WB, IHC
Primary Accession	Q99941
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76709

Additional Information

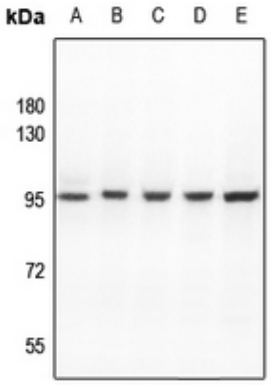
Gene ID	1388
Other Names	CREBL1; G13; Cyclic AMP-dependent transcription factor ATF-6 beta; cAMP-dependent transcription factor ATF-6 beta; Activating transcription factor 6 beta; ATF6-beta; Protein G13; cAMP response element-binding protein-related protein; Creb-rp; cAMP-responsive element-binding protein-like 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ATF6B. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

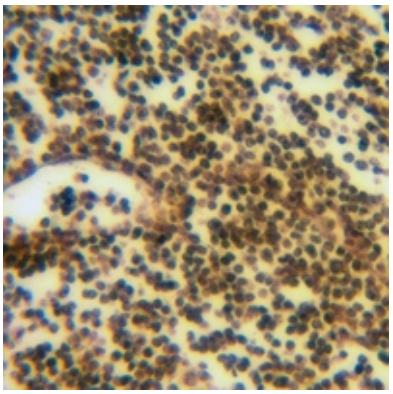
Name	ATF6B
Synonyms	CREBL1, G13
Function	[Cyclic AMP-dependent transcription factor ATF-6 beta]: Precursor of the transcription factor form (Processed cyclic AMP- dependent transcription factor ATF-6 beta), which is embedded in the endoplasmic reticulum membrane (PubMed:11256944). Endoplasmic reticulum stress promotes processing of this form, releasing the transcription factor form that translocates into the nucleus, where it activates transcription of genes involved in the unfolded protein response (UPR) (PubMed:11256944).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type II membrane protein

Tissue Location Ubiquitous..

Images



Western blot analysis of ATF6B expression in mouse embryo (A), C6 (B), CT26 (C), DLD (D), A2780 (E) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 95 kD)



Immunohistochemical analysis of ATF6B staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.