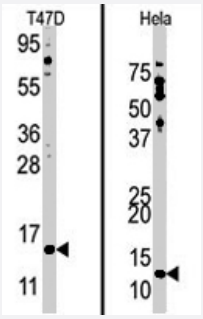
FAU polyclonal antibody

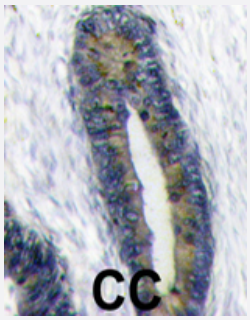
Catalog # PAB1712 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of FAU polyclonal antibody (Cat # PAB1712) in Hela and T-47D cell line lysates. FAU (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human colon carcinoma reacted with FAU polyclonal antibody (Cat # PAB1712) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FAU.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human FAU.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — FAU

Entrez GeneID	2197
Protein Accession#	NP_001988
Gene Name	FAU
Gene Alias	FAU1, FLJ22986, Fub1, Fubi, MNSFbeta, RPS30
Gene Description	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
Omim ID	134690
Gene Ontology	Hyperlink

Gene Summary	This gene is the cellular homolog of the fox sequence in the Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV). It encodes a fusion protein consisting of the ubiquitin-like protein fubi at the N terminus and ribosomal protein S30 at the C terminus. It has been proposed that the fusion protein is post-translationally processed to generate free fubi and free ribosomal protein S30. Fubi is a member of the ubiquitin family, and ribosomal protein S30 belongs to the S30E family of ribosomal proteins. Whereas the function of fubi is currently unknown, ribosomal protein S30 is a component of the 40S subunit of the cytoplasmic ribosome. Pseudogenes derived from this gene are present in the genome. Similar to ribosomal protein S30, ribosomal proteins S27a and L40 are synthesized as fusion proteins with ubiquitin. [provided by RefSeq
Other Designations	40S ribosomal protein S30|FAU-encoded ubiquitin-like protein|FBR-MuSV-associated ubiquitously expressed|Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived)|Monoclonal nonspecific suppressor factor beta|ribosomal prote

Publication Reference

- fau and its ubiquitin-like domain (FUBI) transforms human osteogenic sarcoma (HOS) cells to anchorage-independence.

  Rossman TG, Visalli MA, Komissarova EV.

  Oncogene 2003 Mar; 22(12):1817.

- A map of 75 human ribosomal protein genes.

  Kenmochi N, Kawaguchi T, Rozen S, Davis E, Goodman N, Hudson TJ, Tanaka T, Page DC.

  Genome Research 1998 May; 8(5):509.

- Characterization of the human small-ribosomal-subunit proteins by N-terminal and internal sequencing, and mass spectrometry.

  Vladimirov SN, Ivanov AV, Karpova GG, Musolyamov AK, Egorov TA, Thiede B, Wittmann-Liebold B, Otto A.

  European Journal of Biochemistry 1996 Jul; 239(1):144.

Pathway

- Ribosome