

Rabbit USF1 Polyclonal Antibody | anti-USF1 antibody

USF1 Antibody (Center)

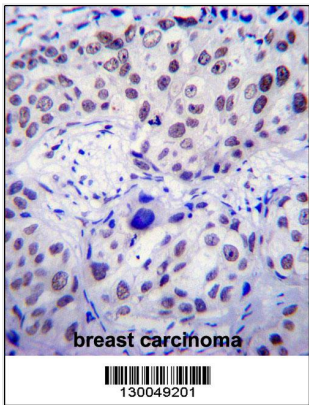
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288938	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

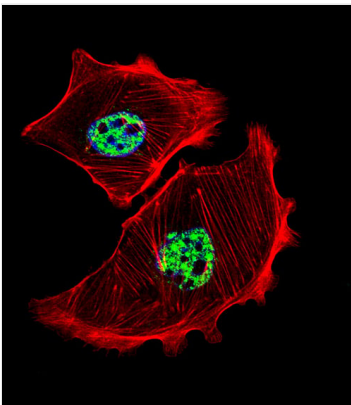
USF1; Polyclonal Antibody; USF1 Antibody (Center); Upstream stimulatory factor 1; Class B basic helix-loop-helix protein 11; bHLHb11; Major late transcription factor 1; BHLHB11; USF; anti-USF1 antibody

PRODUCT SPECIFICATIONS

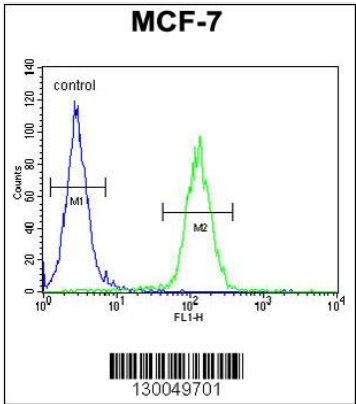
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This USF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 174-201 amino acids from the Central region of human USF1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	174-201
Sequence Length	251
Applicable Applications for anti-USF1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



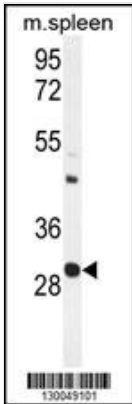
IHC (Immunohistochemistry)
USF1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of USF1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)
Fluorescent confocal image of SK-BR-3 cell stained with USF1 Antibody (Center). SK-BR-3 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with USF1 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). USF1 immunoreactivity is localized to nucleus significantly.



FCM/FACS (Flow Cytometry)
USF1 Antibody (Center) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
USF1 Antibody (Center) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the USF1 antibody detected the USF1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-USF1 antibody	This gene encodes a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E-box motifs. This gene has been linked to familial combined hyperlipidemia (FCHL). Two transcript variants encoding distinct isoforms have been identified for this gene.
Product Categories/Family for anti-USF1 antibody	Cancer; Cardiovascular; Metabolism
References	Jablonski, K.A., et al. Diabetes 59(10):2672-2681(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Bussiere, F.I., et al. Cell. Microbiol. 12(8):1124-1133(2010) Naukkarinen, J., et al. Circ Cardiovasc Genet 2(5):522-529(2009) Singmann, P., et al. Obes Facts 2(4):235-242(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	444909174
NCBI GeneID	7391
NCBI Accession #	NP_001263302.1; NP_009053.1; NP_996888.1
NCBI GenBank Nucleotide #	NM_001276373.1
UniProt Accession #	P22415; Q5SY46; Q7Z5Y1; B2RBZ4
Molecular Weight	33538
NCBI Official Full Name	upstream stimulatory factor 1 isoform 1
NCBI Official Synonym Full Names	upstream transcription factor 1
NCBI Official Symbol	USF1
NCBI Official Synonym Symbols	UEF; FCHL; MLTF; FCHL1; MLTFI; HYPLIP1; bHLHb11
NCBI Protein Information	upstream stimulatory factor 1
UniProt Protein Name	Upstream stimulatory factor 1
UniProt Gene Name	USF1
UniProt Synonym Gene Names	BHLHB11; USF; bHLHb11
UniProt Entry Name	USF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/usf1-antibody-immunohistochemistry-immunofluorescence-flow-cytometry-western-blot-elisa/288938>