

Rabbit anti-Human, Mouse TBX2 Polyclonal Antibody | anti-TBX2 antibody

TBX2 Antibody

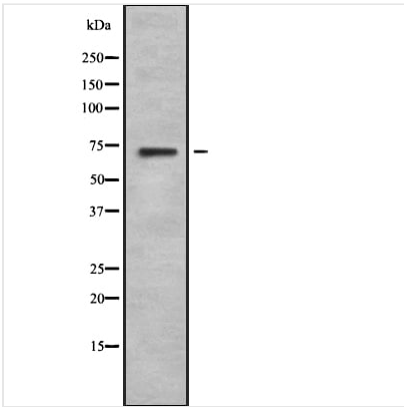
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322636	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

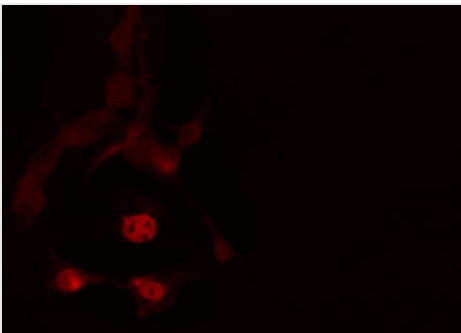
TBX2; Polyclonal Antibody; TBX2 Antibody; FLJ10169; HGNC:11597; T box 2; T box transcription factor TBX2; T-box protein 2; T-box transcription factor TBX2; TBX2_HUMAN; anti-TBX2 antibody

PRODUCT SPECIFICATIONS

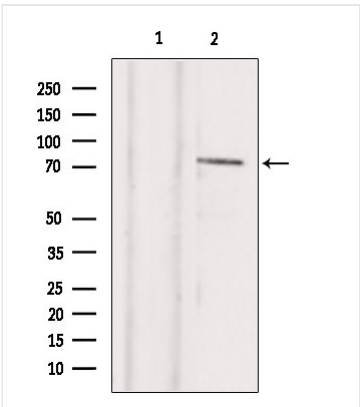
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TBX2 antibody detects endogenous levels of total TBX2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	712
Applicable Applications for anti-TBX2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TBX2
Subcellular Location	Nucleus.
Tissue Specificity	Expressed primarily in adult in kidney, lung, and placenta. Weak expression in heart and ovary.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of TBX2 using HeLa whole cell lysates



IF (Immunofluorescence)
AAA322636 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from hepg2, using TBX2 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TBX2 antibody	Function: Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation. Acts as a negative regulator of PML function in cellular senescence. May be required for cardiac atrioventricular canal formation. Subunit Structure: Interacts with PML (isoform-PML-2, isoform PML-3 and isoform PML-4). Similarity: The repression domain 1 (RD1) is necessary for its interaction with PML.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	197333868
NCBI GeneID	6909
NCBI Accession #	NP_005985.3
NCBI GenBank Nucleotide #	NM_005994.3
UniProt Accession #	Q13207; Q16424; Q7Z647
Molecular Weight	Observed: 74 kDa Predicted: 76 kDa
NCBI Official Full Name	T-box transcription factor TBX2
NCBI Official Synonym Full Names	T-box 2

NCBI Official Symbol	TBX2
NCBI Protein Information	T-box transcription factor TBX2
UniProt Protein Name	T-box transcription factor TBX2
UniProt Gene Name	TBX2
UniProt Synonym Gene Names	T-box protein 2

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/tbx2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322636>