

ARG45440 anti-TBX4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TBX4
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TBX4
Species	Human
Immunogen	Synthetic peptide corresponding to middle region of human TBX4.
Conjugation	Un-conjugated
Alternate Names	TBX4; T-Box Transcription Factor 4; T-Box Transcription Factor TBX4; T-Box Protein 4; T-Box 4; PAPPAS; ICPPS; SPS

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	60 kDa	

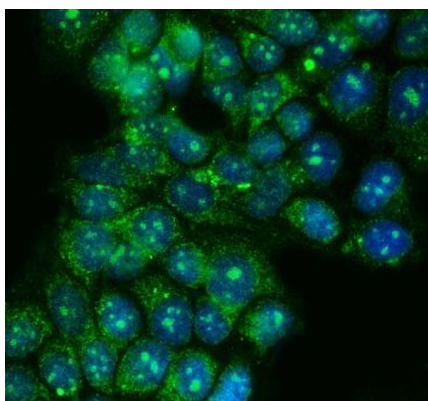
Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

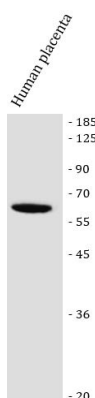
Gene Symbol	TBX4
Gene Full Name	T-Box Transcription Factor 4
Background	<p>This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human homolog of mouse Tbx4, which is closely linked to Tbx2 on mouse chromosome 11. Similarly this gene, like TBX2, maps to human chromosome 17. Expression studies in mouse and chicken show that Tbx4 is expressed in developing hindlimb, but not in forelimb buds, suggesting a role for this gene in regulating limb development and specification of limb identity. [provided by RefSeq, Jul 2008]</p>
Function	<p>Transcriptional regulator that has an essential role in the organogenesis of lungs, pelvis, and hindlimbs. [UniProt]</p>
Calculated Mw	60 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



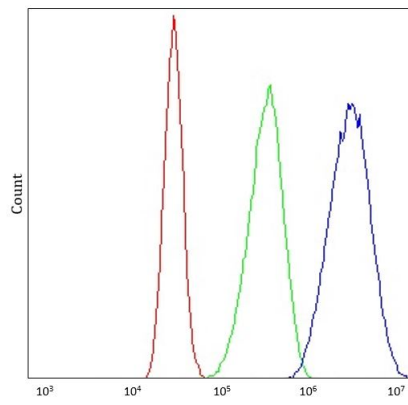
ARG45440 anti-TBX4 antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG45440 anti-TBX4 antibody at 5 µg/ml dilution.



ARG45440 anti-TBX4 antibody WB image

Western blot: Human placenta stained with ARG45440 anti-TBX4 antibody at 0.5 µg/ml dilution.



ARG45440 anti-TBX4 antibody FACS image

Flow Cytometry: CACO-2 stained with ARG45440 anti-TBX4 antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.