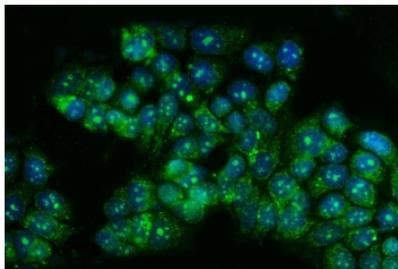


TBX4 Antibody / T-box protein 4 (RQ6399)

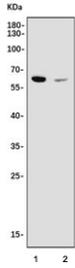
Catalog No.	Formulation	Size
RQ6399	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

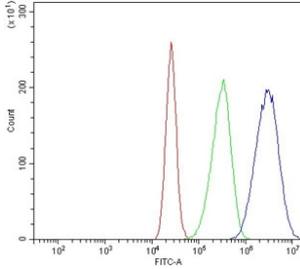
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P57082
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This TBX4 antibody is available for research use only.



Immunofluorescent staining of FFPE human MCF7 cells with TBX4 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) placenta and 2) Caco-2 cell lysate with TBX4 antibody.
Predicted molecular weight ~60 kDa.



Flow cytometry testing of human Caco-2 cells with TBX4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TBX4 antibody.

Description

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.

Application Notes

Optimal dilution of the TBX4 antibody should be determined by the researcher.

Immunogen

Amino acids HQALQHYQHENGASQLAEPQDLPLSTFPTQ were used as the immunogen for the TBX4 antibody.

Storage

After reconstitution, the TBX4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.