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Product datasheet for CF504270

RFXANK Mouse Monoclonal Antibody [Clone ID: OTI3F5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human RFXANK(NP_604389) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25.4 kDa
Gene Name:	regulatory factor X associated ankyrin containing protein
Database Link:	NP_604389 Entrez Gene 8625 Human O14593

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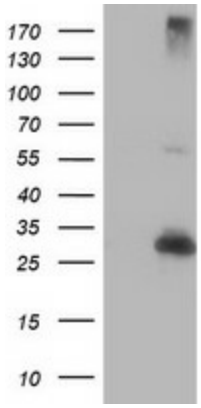
Background: Major histocompatibility (MHC) class II molecules are transmembrane proteins that have a central role in development and control of the immune system. The protein encoded by this gene, along with regulatory factor X-associated protein and regulatory factor-5, forms a complex that binds to the X box motif of certain MHC class II gene promoters and activates their transcription. Once bound to the promoter, this complex associates with the non-DNA-binding factor MHC class II transactivator, which controls the cell type specificity and inducibility of MHC class II gene expression. This protein contains ankyrin repeats involved in protein-protein interactions. Mutations in this gene have been linked to bare lymphocyte syndrome type II, complementation group B. Two transcript variants encoding different isoforms have been described for this gene, with only one isoform showing activation activity. [provided by RefSeq]

Synonyms: ANKRA1; BLS; F14150_1; RFX-B

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Antigen processing and presentation, Primary immunodeficiency

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RFXANK ([RC223081], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RFXANK. Positive lysates [LY408725] (100ug) and [LC408725] (20ug) can be purchased separately from OriGene.

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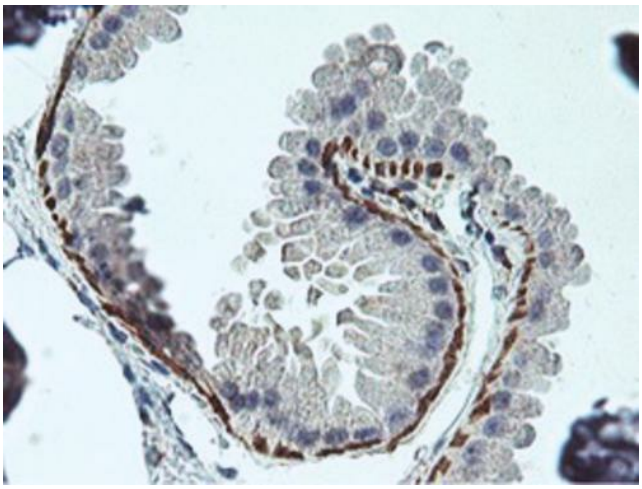
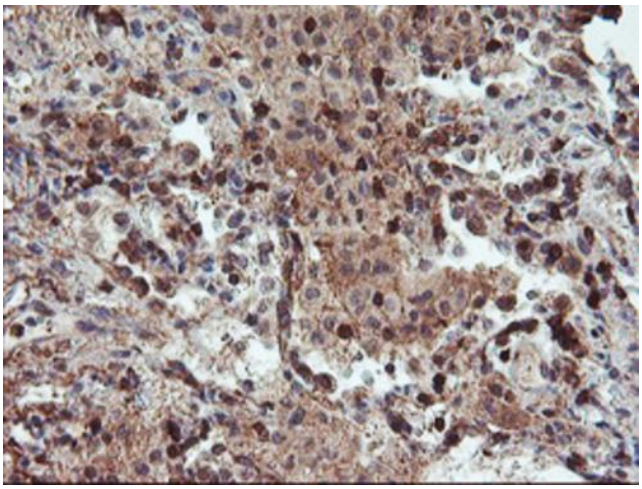
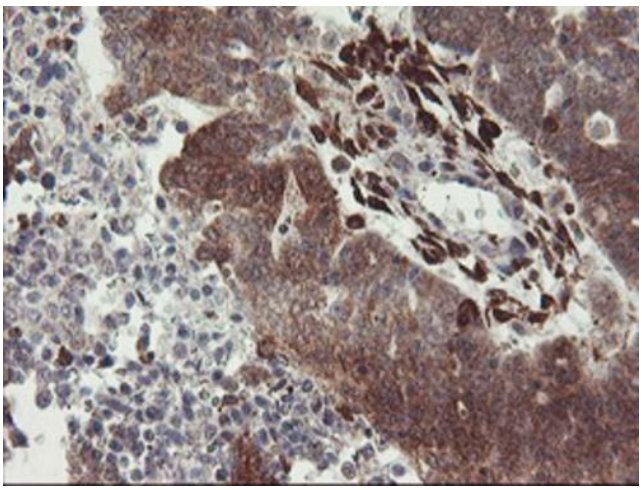


Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-RFXANK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504270])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-RFXANK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504270])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-RFXANK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504270])

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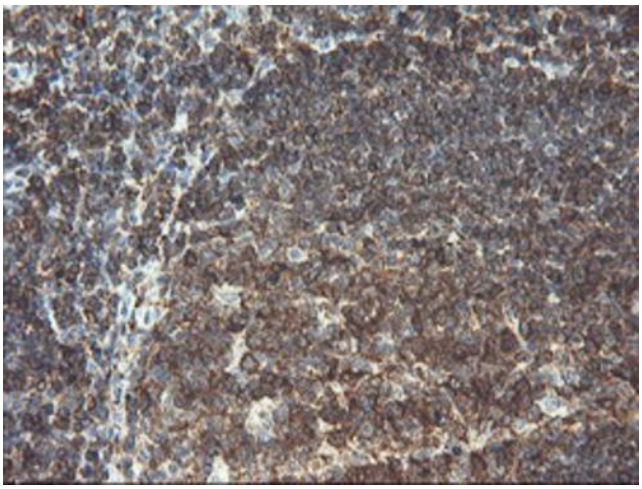
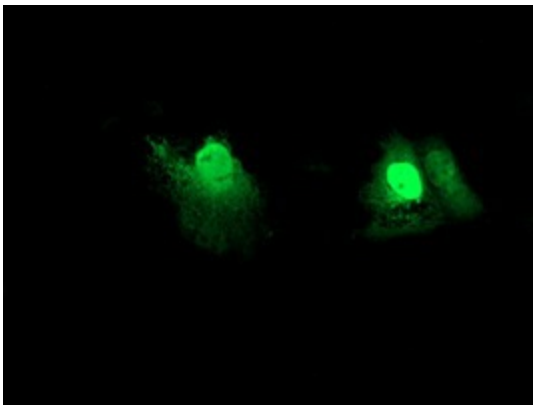
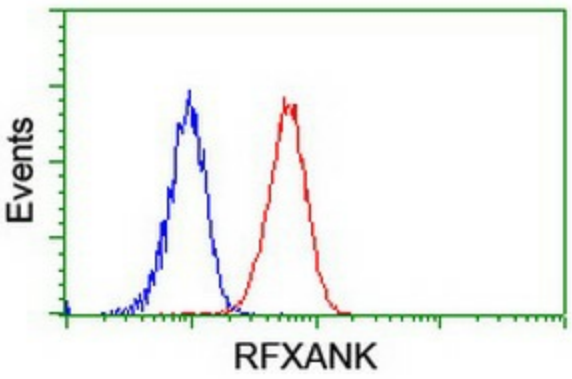


Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RFXANK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504270])



Anti-RFXANK mouse monoclonal antibody ([TA504270]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY RFXANK ([RC223081]).



Flow cytometric Analysis of Jurkat cells, using anti-RFXANK antibody ([TA504270]), (Red), compared to a nonspecific negative control antibody, (Blue).

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