

Datasheet for ABIN7261592

anti-FKBP4 antibody

5 Images

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Overview

Quantity:	200 µL
Target:	FKBP4
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FKBP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human FKBP4 (NP_002005.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	FKBP4
Alternative Name:	FKBP4 (FKBP4 Products)
Background:	<p>The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking.</p> <p>This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It has high structural and functional similarity to FK506-binding protein</p>

Target Details

1A (FKBP1A), but unlike FKBP1A, this protein does not have immunosuppressant activity when complexed with FK506. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. This encoded protein is known to associate with phytanoyl-CoA alpha-hydroxylase. It can also associate with two heat shock proteins (hsp90 and hsp70) and thus may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. This protein correlates strongly with adeno-associated virus type 2 vectors (AAV) resulting in a significant increase in AAV-mediated transgene expression in human cell lines. Thus this encoded protein is thought to have important implications for the optimal use of AAV vectors in human gene therapy. The human genome contains several non-transcribed pseudogenes similar to this gene.

Molecular Weight: Observed_MW: 58 kDa
Calculated_MW: 51 kDa

Gene ID: 2288

UniProt: [Q02790](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#)

Application Details

Application Notes: WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

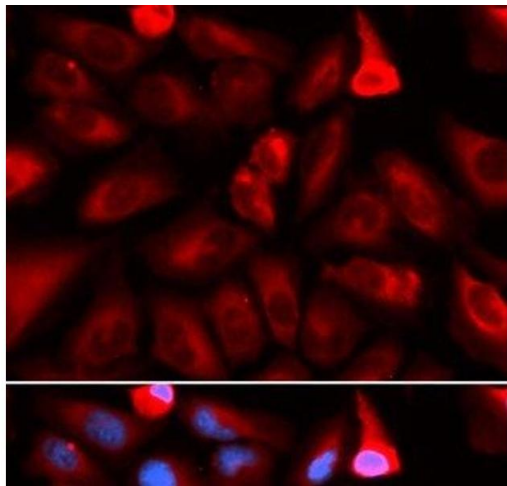
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

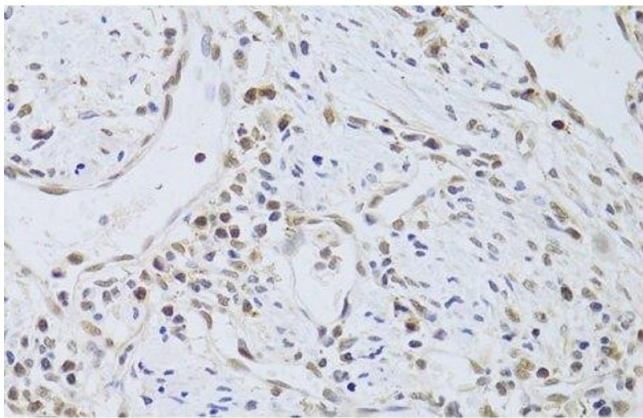
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



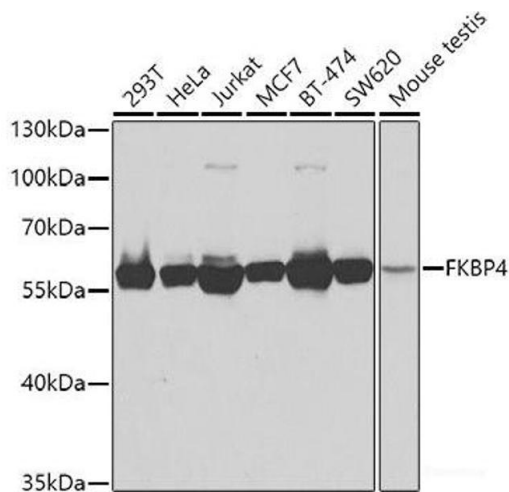
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using FKBP4 Polyclonal Antibody



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human gastric cancer using FKBP4 Polyclonal Antibody at dilution of 1:100 (40x lens).



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines using FKBP4 Polyclonal Antibody at dilution of 1:1000.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7261592.