Datasheet for ABIN6140658

anti-FKBP4 antibody (AA 220-459)

10 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	FKBP4
Binding Specificity:	AA 220-459
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FKBP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 220-459 of human FKBP52/FKBP52/FKBP4 (NP_002005.1).
Sequence:	YLKPSYAFGS VGKEKFQIPP NAELKYELHL KSFEKAKESW EMNSEEKLEQ STIVKERGTV YFKEGKYKQA LLQYKKIVSW LEYESSFSNE EAQKAQALRL ASHLNLAMCH LKLQAFSAAI ESCNKALELD SNNEKGLFRR GEAHLAVNDF ELARADFQKV LQLYPNNKAA KTQLAVCQQR IRRQLAREKK LYANMFERLA EEENKAKAEA SSGDHPTDTE MKEEQKSNTA GSQSQVETEA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FKBP4
Alternative Name:	FKBP4 (FKBP4 Products)
Background:	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. 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 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.,FKBP4,FKBP51,FKBP52,FKBP59,HBI,Hsp56,PPIase,p52,Epigenetics & Nuclear Signaling,RNA Binding,Nuclear Receptor Signaling,Nuclear hormone receptors,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Microtubules,FKBP4
Molecular Weight:	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,IP,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

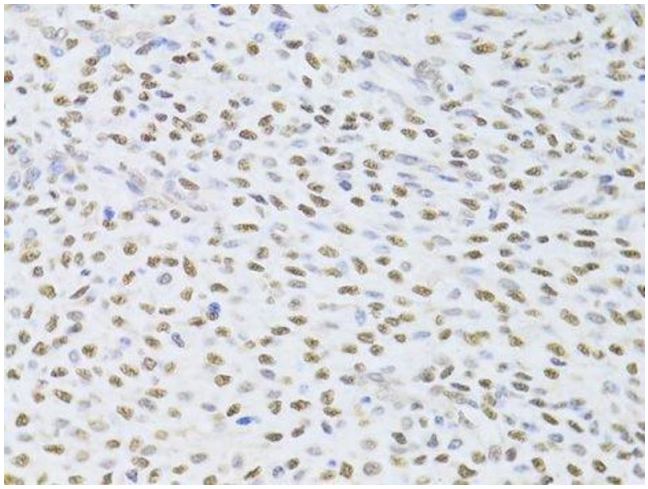
Handling

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

Handling

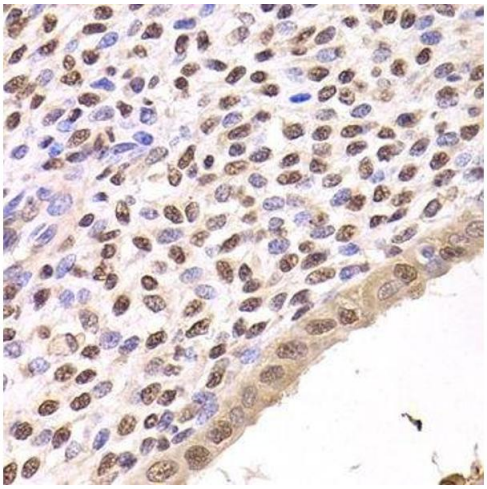
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



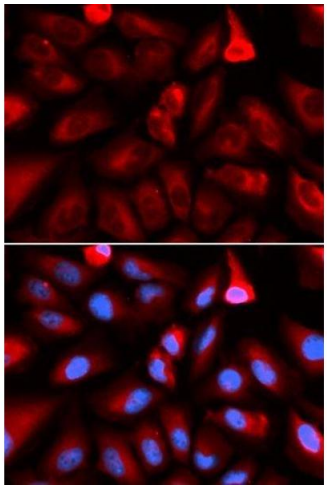
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded human adenomyosis using FKBP4 Antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human adenomyosis using FKBP4 Antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of U2OS cells using FKBP4 antibody.

Please check the product details page for more images. Overall 10 images are available for ABIN6140658.