

AKR1C3 Antibody

Catalog No: #32432

Package Size: #32432-1 50ul #32432-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

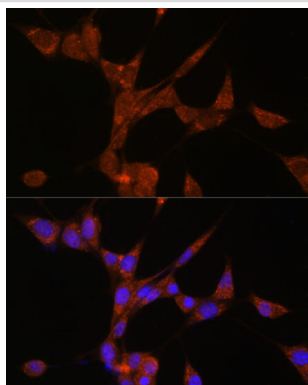
Description

Product Name	AKR1C3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total AKR1C3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human AKR1C3 (NP_003730.4).
Target Name	AKR1C3
Other Names	AKR1C3;DD3;DDX;HA1753;HAKRB;HAKRe;HSD17B5;PGFS;hluPGFS
Accession No.	Uniprot:P42330GeneID:8644
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GeneID	8644
SDS-PAGE MW	37kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

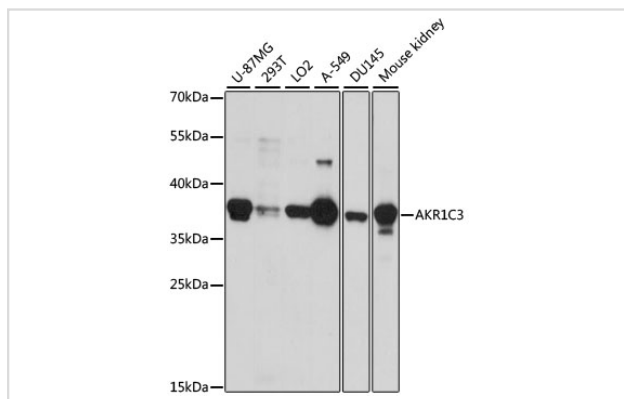
Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

Images



Immunofluorescence analysis of NIH/3T3 cells using AKR1C3 antibody.



Western blot analysis of extracts of various cell lines, using AKR1C3 antibody.

Background

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reduction of prostaglandin (PG) D₂, PGH₂ and phenanthrenequinone (PQ), and the oxidation of 9 α ,11 β -PGF₂ to PGD₂. It may play an important role in the pathogenesis of allergic diseases such as asthma, and may also have a role in controlling cell growth and/or differentiation. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only