AKR1C1 antibody

Catalog No: #22149

Orders: order@signalwayantibody.com
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Description

Product Name	AKR1C1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 22 and 218 of Human AKR1C1
Target Name	AKR1C1
Accession No.	NCBI Gene ID: 1645NCBI mRNA#: NM_001353NCBI Protein#: NP_001344
Concentration	1mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

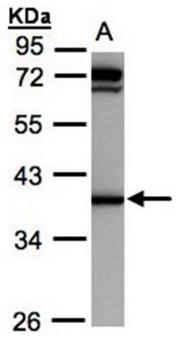
Predicted MW: 37kd

Western blotting: 1:500-1:3000

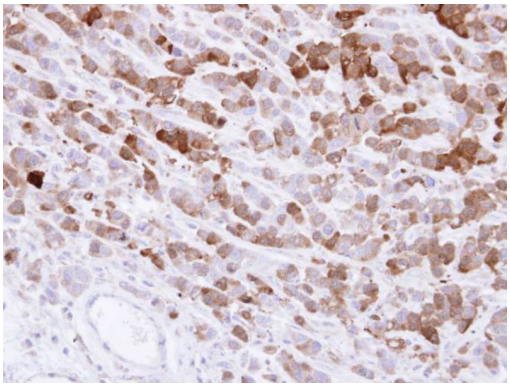
Immunohistochemistry: 1:50-1:500

Immunofluorescence: 1:100-1:200

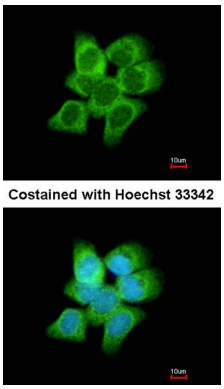
Images



Sample(30 ug whole cell lysate)
A: Raji
10% SDS PAGE
Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded MDA-MB-468 xenograft, using AKR1C1 antibody at 1: 500 dilution.



Immunofluorescence analysis of methanol-fixed A431, using AKR1C1 antibody at 1: 200 dilution.

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 reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq]

Note: This product is for in vitro research use only and is not intended for use in humans or animals.