Product Name: AKR1C1 Mouse Monoclonal Antibody
Catalog #: AMM82996
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC
Reactivity	Human,Rabbit
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:200-1:400,FC 1:200-1:400
Molecular Weight	36.8kDa

Antigen Information

Gene Name	AKR1C1
Alternative Names	C9;DD1;DDH;DDH1;H-37;HBAB;MBAB;HAKRC;DD1/DD2;2-ALPHA-HSD;20-ALPHA-HSD
Gene ID	1645.0
SwissProt ID	Q04828
Immunogen	A synthetic peptide of human AKR1C1/AKR1C2

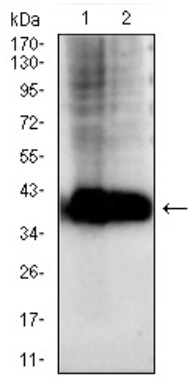
Background

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

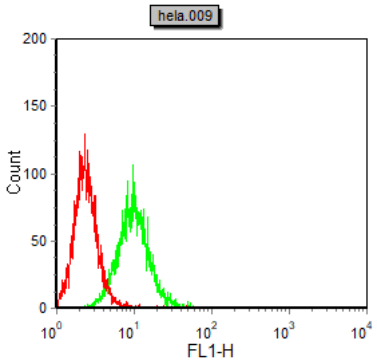
reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq, Jul 2008]

Research Area

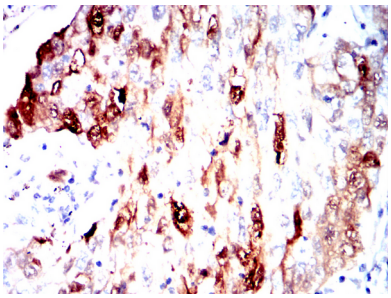
Image Data



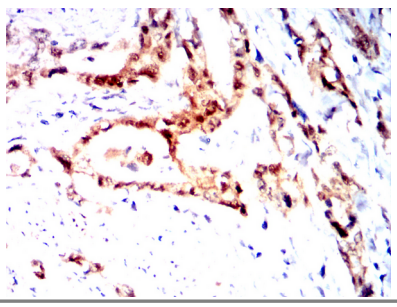
Western blot analysis using AKRAC1 mouse mAb against Hela(1),HepG2(2)cell lysate.



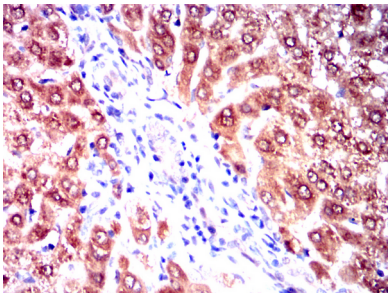
Flow cytometric analysis of Hela cells using AKR1C1 mouse mAb (green) and negative control (red).



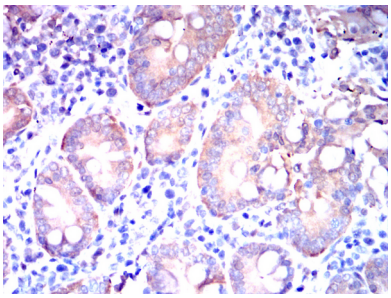
Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using AKR1C1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues using AKR1C1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rabbit liver tissues using AKR1C1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded small intestine tissues using AKR1C1 mouse mAb with DAB staining.