

Aldo-keto Reductase Family 1 Member C1 / DD1 Antibody

Mouse Monoclonal Antibody [Clone AKR1C1/9319]

Catalog No	Format	Size
1645-MSM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1645-MSM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1645-MSM19-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

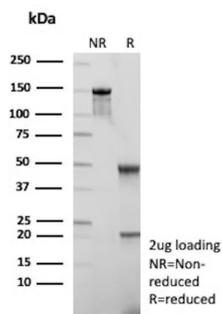
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

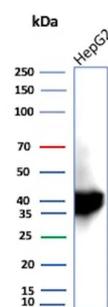
Clone	AKR1C1/9319
Gene Name	AKR1C1
Immunogen	Recombinant human full-length AKR1C1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	37kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Guinea Pig, Hamster, Human
Positive Control	Human liver or stomach tissue. Hamster Liver, Guinea pig Liver or Hep G2

*Optimal dilution for a specific application should be determined.

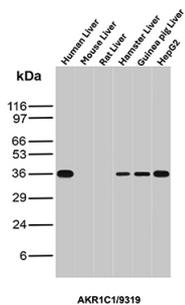
Product Images for Aldo-keto Reductase Family 1 Member C1 / DD1 Antibody



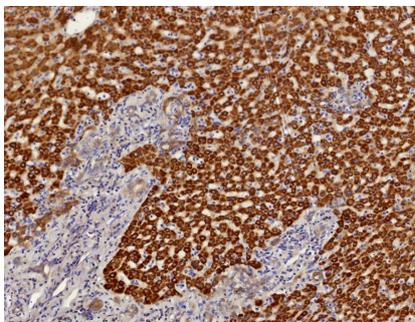
SDS-PAGE Analysis Purified AKR1C1 Mouse Monoclonal Antibody (AKR1C1/9319). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human HepG2 lysate using AKR1C1 Mouse Monoclonal Antibody (AKR1C1/9319).



Western blot analysis of (1) human liver, (2) mouse liver, (3) rat liver, (4) hamster liver, (5) guinea pig liver and (6) HepG2 cell lysates using AKR1C1 Mouse Monoclonal Antibody (AKR1C1/9319).



Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained with AKR1C1 Mouse Monoclonal Antibody (AKR1C1/9319). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

DDH / AKR1C1 is 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.