Aldo-keto Reductase Family 1 Member C2 / DD2 Antibody

Mouse Monoclonal Antibody [Clone CPTC-AKR1C2-1]

Catalog No	Format	Size
1646-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1646-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1646-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

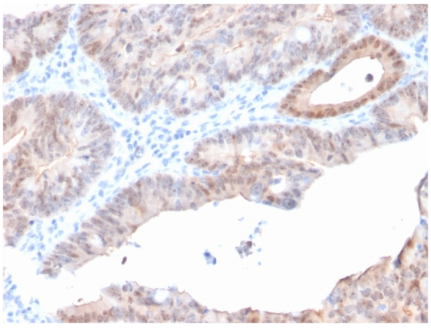
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

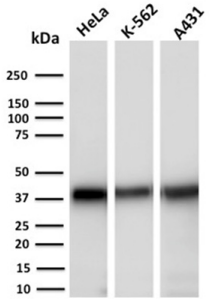
Clone	CPTC-AKR1C2-1
Gene Name	AKR1C2
Immunogen	Recombinant human full-length AKR1C2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	37kDa
Cellular Localization	Cytoplasm, Cytosol
Species Reactivity	Human
Positive Control	A431, A549 cells. Human liver or stomach tissue., HeLa, Hep G2, K-562

**Optimal dilution for a specific application should be determined.*

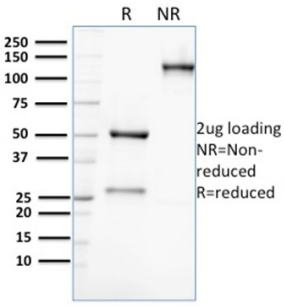
Product Images for Aldo-keto Reductase Family 1 Member C2 / DD2 Antibody



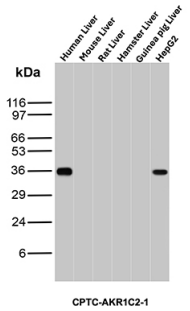
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with AKR1C2 Mouse Monoclonal Antibody (CPTC-AKR1C2-1).



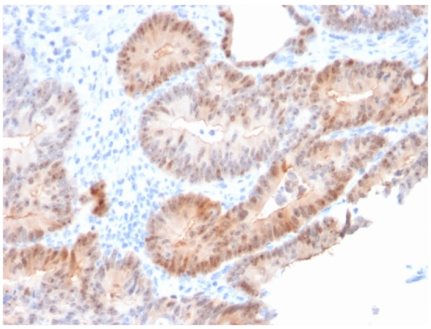
Western Blot Analysis of Human HeLa, K-562 and A431 cell lysates using AKR1C2 Mouse Monoclonal Antibody (CPTC-AKR1C2-1).



SDS-PAGE Analysis Purified AKR1C2 Mouse Monoclonal Antibody (CPTC-AKR1C2-1). Confirmation of Purity and Integrity of Antibody.



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 AKR1C2 Mouse Monoclonal Antibody (CPTC-AKR1C2-1).



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with AKR1C2 Mouse Monoclonal Antibody (CPTC-AKR1C2-1).

Specificity & Comments

DDH2 / AKR1C2 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, Nuclear Marker

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.

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