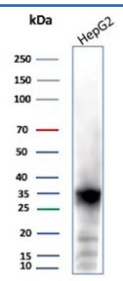
ARK1C1 Antibody / Aldo-keto Reductase Family 1 Member C1 [clone AKR1C1/9311] (V5585)

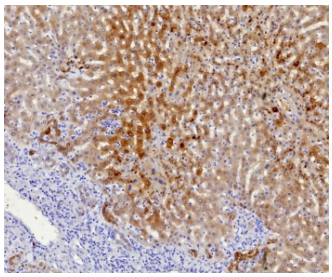
Catalog No.	Formulation	Size
V5585-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5585-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5585SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

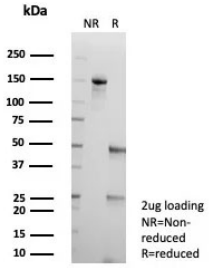
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	AKR1C1/9311
Purity	Protein A/G affinity
UniProt	Q04828
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This ARK1C1 antibody is available for research use only.



Western blot testing of human HepG2 cell lysate using AKR1C1 antibody (clone AKR1C1/9311). Predicted molecular weight ~37 kDa.



IHC staining of FFPE human hepatocellular carcinoma tissue with AKR1C1 antibody (clone AKR1C1/9311). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free AKR1C1 antibody (clone AKR1C1/9311) as confirmation of integrity and purity.

Description

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.

This antibody can be compared with our AKR1C1 Antibody (clone AKR1C1/9063) for consistent detection of AKR1C1 across steroid metabolism and detoxification studies.

Application Notes

Optimal dilution of the ARK1C1 antibody should be determined by the researcher.

Immunogen

Recombinant human full-length AKR1C1 protein was used as the immunogen for the ARK1C1 antibody.

Storage

Aliquot the ARK1C1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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