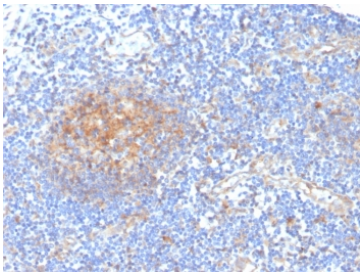
ARK1C1 Antibody / DD1 [clone CPTC-AKR1C1-2] (V8398)

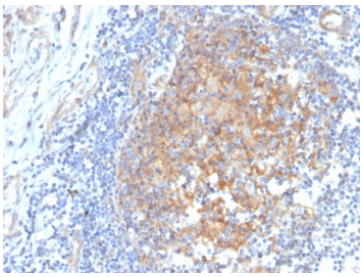
Catalog No.	Formulation	Size
V8398-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8398-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8398SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CPTC-AKR1C1-2
Purity	Protein G affinity chromatography
UniProt	Q04828
Localization	Cytoplasm
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This ARK1C1 antibody is available for research use only.



IHC staining of FFPE human tonsil with ARK1C1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil with ARK1C1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 protein was used as the immunogen for the ARK1C1 antibody.

Storage

Store the ARK1C1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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