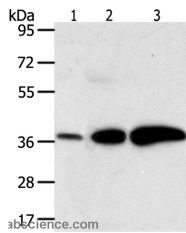


AKR1C1 Polyclonal Antibody

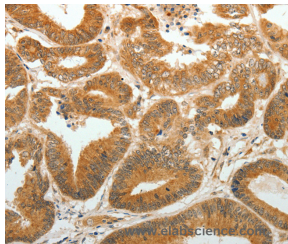
Catalog No.	E-AB-12710	Reactivity	H
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IHC,ELISA	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

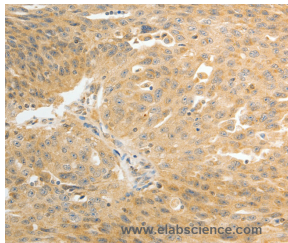
Images



Western Blot analysis of Human liver cancer and breast infiltrative duct tissue, Human fetal brain tissue using AKR1C1 Polyclonal Antibody at dilution of 1:500



Immunohistochemistry of paraffin-embedded Human colon cancer using AKR1C1 Polyclonal Antibody at dilution of 1:30



Immunohistochemistry of paraffin-embedded Human ovarian cancer using AKR1C1 Polyclonal Antibody at dilution of 1:30

Immunogen Information

Immunogen	Synthetic peptide of human AKR1C1
Gene Accession	NP_001344
Swissprot	Q04828
Synonyms	C9,DD1,DDH,DDH1,H-37,HBAB,MBAB,HAKRC,D1/DD2,2-ALPHA-HSD,20-ALPHA-HSD

Product Information

Calculated MW	37kDa
Buffer	PBS with 0.05% sodium azide and 50% glycerol, PH7.4
Purify	Affinity purification
Dilution	WB 1:500-1:2000, IHC 1:50-1:200

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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.