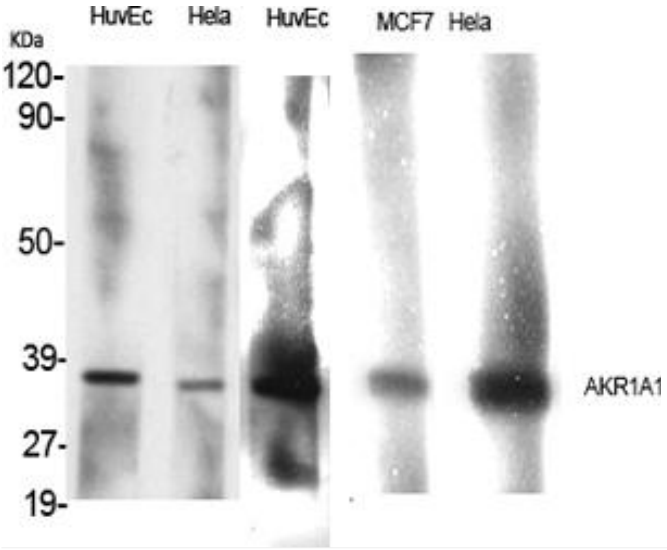
AKR1A1 Monoclonal Antibody

Catalog No	YP-mAb-02486
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	AKR1A1
Protein Name	Alcohol dehydrogenase [NADP(+)]
Immunogen	Synthesized peptide derived from AKR1A1 . at AA range: 250-330
Specificity	AKR1A1 Monoclonal Antibody detects endogenous levels of AKR1A1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AKR1A1; ALDR1; ALR; Alcohol dehydrogenase [NADP(+)]; Aldehyde reductase; Aldo-keto reductase family 1 member A1
Observed Band	37kD
Cell Pathway	Cytoplasm, cytosol . Apical cell membrane .
Tissue Specificity	Widely expressed. Highly expressed in kidney, salivary gland and liver. Detected in trachea, stomach, brain, lung, prostate, placenta, mammary gland, small intestine and lung.
Function	catalytic activity:An alcohol + NADP(+) = an aldehyde + NADPH.,function:Catalyzes the NADPH-dependent reduction of a variety of aldehydes to their corresponding alcohols.,similarity:Belongs to the aldo/keto reductase family.,subunit:Monomer.,
Background	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Multiple alternatively spliced transcript variants of this gene exist, all encoding the same protein. [provided by RefSeq, Jan 2011],
matters needing attention	Avoid repeated freezing and thawing!

Usage suggestions This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using AKR1A1 Monoclonal Antibody