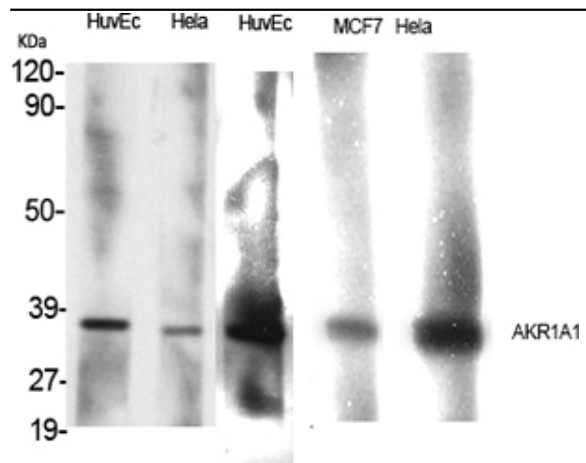


AKR1A1 Polyclonal Antibody

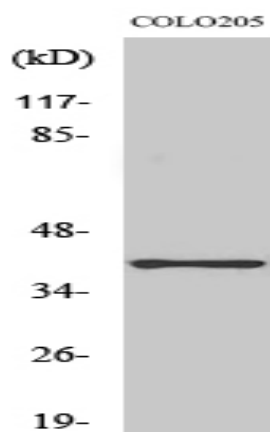
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|------------------------------|--|
| Catalog No : | YT0169 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;ELISA |
| Target : | AKR1A1 |
| Fields : | >>Glycolysis / Gluconeogenesis;>>Pentose and glucuronate interconversions;>>Ascorbate and aldarate metabolism;>>Glycerolipid metabolism;>>Pyruvate metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors;>>Chemical carcinogenesis - reactive oxygen species |
| Gene Name : | AKR1A1 |
| Protein Name : | Alcohol dehydrogenase [NADP(+)] |
| Human Gene Id : | 10327 |
| Human Swiss Prot No : | P14550 |
| Mouse Gene Id : | 58810 |
| Mouse Swiss Prot No : | Q9JII6 |
| Rat Gene Id : | 78959 |
| Rat Swiss Prot No : | P51635 |
| Immunogen : | Synthesized peptide derived from AKR1A1 . at AA range: 250-330 |
| Specificity : | AKR1A1 Polyclonal Antibody detects endogenous levels of AKR1A1 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications. |

| | |
|-------------------------------|--|
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 37kD |
| Cell Pathway : | Glycolysis / Gluconeogenesis;Glycerolipid metabolism; |
| 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], |
| 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., |
| Subcellular Location : | Cytoplasm, cytosol . Apical cell membrane . |
| Expression : | Widely expressed. Highly expressed in kidney, salivary gland and liver. Detected in trachea, stomach, brain, lung, prostate, placenta, mammary gland, small intestine and lung. |
| Sort : | 1836 |
| No4 : | 1 |
| Host : | Rabbit |
| Modifications : | Unmodified |

Products Images



Western Blot analysis of various cells using AKR1A1 Polyclonal Antibody



Western Blot analysis of NIH-3T3 cells using AKR1A1 Polyclonal Antibody