Anti-AKR7A2 Polyclonal Antibody

Cat: AC51325

Summary:

【**Product name**】: Anti-AKR7A2 antibody

【**Source**】: Rabbit

【**Isotype**】: IgG

【**Species reactivity**】: Human Mouse

【**Swiss Prot**】: O43488

【**Gene ID**】: 8574

【**Calculated**】: MW:40kDa

【**Observed**】: MW:38kDa

【**Purification**】: Affinity purification

【**Tested applications**】: WB, IHC, IF

【**Recommended dilution**】: WB 1:500-2000. IHC 1:50-200. IF 1:10-100.

【**WB Positive sample**】: ES-2,Mouse kidney,Mouse testis,Mouse liver

【**IHC Positive sample**】: Mouse heart tissue

【**Subcellular location**】: Cytoplasm Golgi apparatus

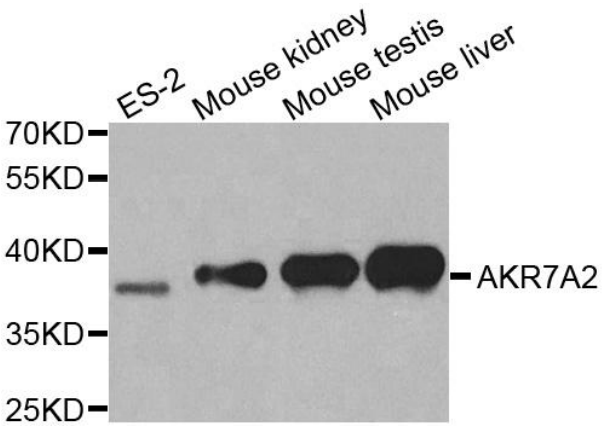
【**Immunogen**】: Recombinant protein of human AKR7A2

【**Storage**】: Shipped at 4°C. Upon delivery aliquot and store at -20°C

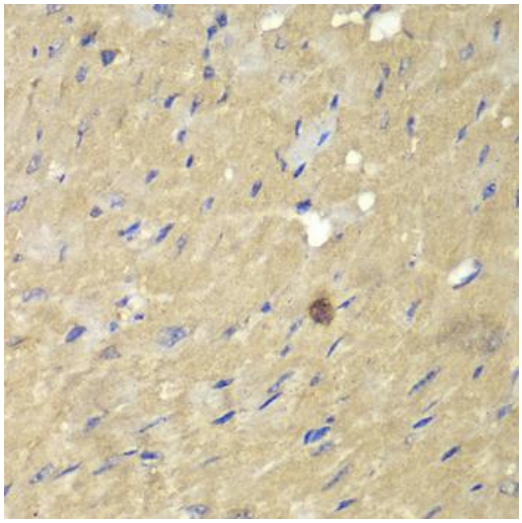
Background:

The protein encoded by this gene belongs to the aldo/keto reductase (AKR) superfamily and AKR7 family, which are involved in the detoxification of aldehydes and ketones. The AKR7 family consists of 3 genes that are present in a cluster on the p arm of chromosome 1. This protein, thought to be localized in the golgi, catalyzes the NADPH-dependent reduction of succinic semialdehyde to the endogenous neuromodulator, gamma-hydroxybutyrate. It may also function as a detoxication enzyme in the reduction of aflatoxin B1 and 2-carboxybenzaldehyde. Alternative splicing results in multiple transcript variants.

Verified picture



Western blot analysis with AKR7A2 antibody diluted at 1:1000



Immunohistochemistry of paraffin-embedded Mouse heart tissue with AKR7A2 antibody diluted at 1:100