

AKR7A2 Rabbit Polyclonal Antibody



CAB1227

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

35kDa

Calculated MW:

39kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:10 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

8574

Uniprot

O43488

Synonyms:

AKR7A2; AFAR; AFAR1; AFB1-AR1; AKR7

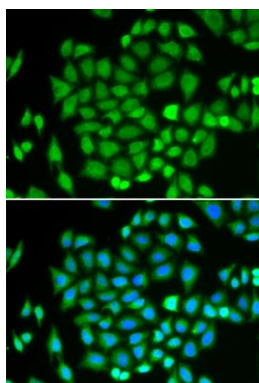
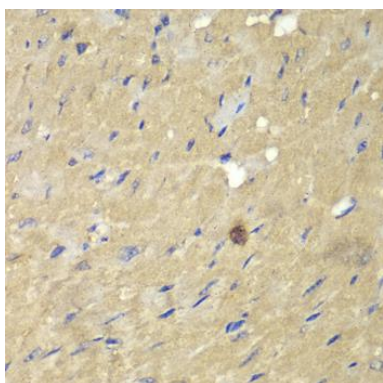
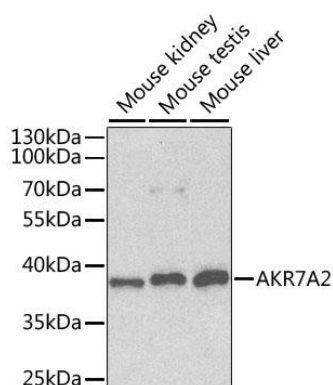
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 100-359 of human AKR7A2 (NP_003680.2).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using AKR7A2 antibody (CAB1227) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020).

Immunohistochemistry of paraffin-embedded mouse heart using AKR7A2 antibody (CAB1227) at dilution of 1:100 (40x lens).

Immunofluorescence analysis of HeLa cells using AKR7A2 antibody (CAB1227). Blue: DAPI for nuclear staining.