

Datasheet for ABIN3021782
anti-AKR7A2 antibody (AA 100-359)

5 Images

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Overview

Quantity:	100 µL
Target:	AKR7A2
Binding Specificity:	AA 100-359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR7A2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 100-359 of human AKR7A2 (NP_003680.2).
Sequence:	VKIATKANPW DGKSLKPDV RSQLETSLKR LQCPQVDLFY LHAPDHGTPV EETLHACQRL HQEGKFVELG LSNYASWEVA EICTLCKSNG WILPTVYQGM YNATTRQVET ELFPCLRHFG LRFYAYNPLA GGLLTGKYKY EDKDGKQPVG RFFGNSWAET YRNRFWKEHH FEAIALVEKA LQAAYGASAP SVTSAALRWM YHHSQIQGAH GDAVILGMSS LEQLEQNLAA TEEGPLEPAV VDAFNQAWHL VAHECPNYFR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

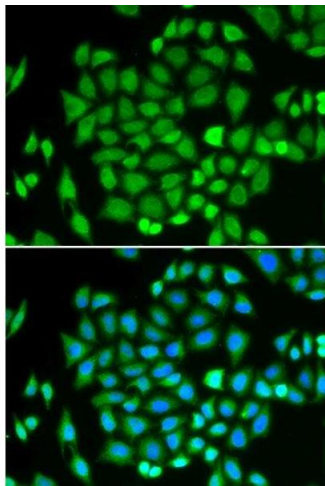
Target:	AKR7A2
Alternative Name:	AKR7A2 (AKR7A2 Products)
Background:	<p>The protein encoded by this gene belongs to the aldo/keto reductase (AKR) superfamily and AKR7 family, which are involved in the detoxification of aldehydes and ketones. The AKR7 family consists of 3 genes that are present in a 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.,AKR7A2,AFAR,AFAR1,AFB1-AR1,AKR7,Signal Transduction,Endocrine & Metabolism,Neuroscience,Neurodegenerative Diseases,AKR7A2</p>
Molecular Weight:	39 kDa
Gene ID:	8574
UniProt:	O43488

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

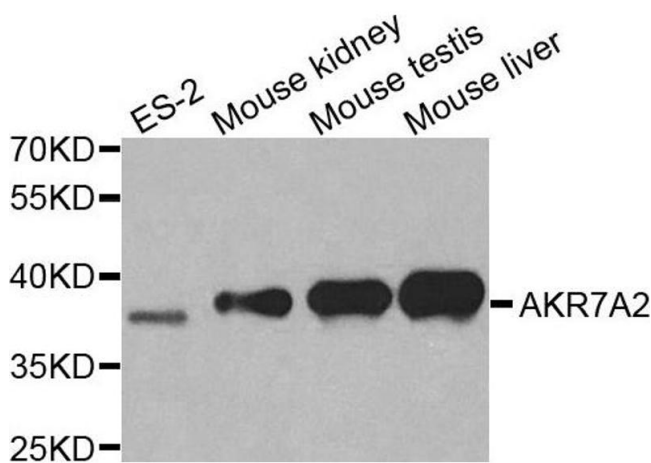
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



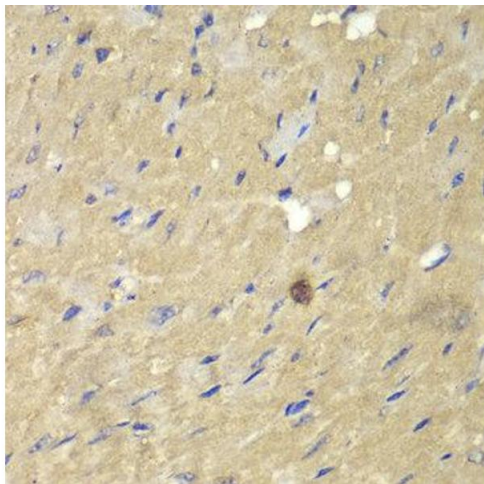
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using AKR7A2 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using AKR7A2 antibody.



Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3021782.