

## Product datasheet for **TA327011**

### AKR7A2 Rabbit Polyclonal Antibody

#### Product data:

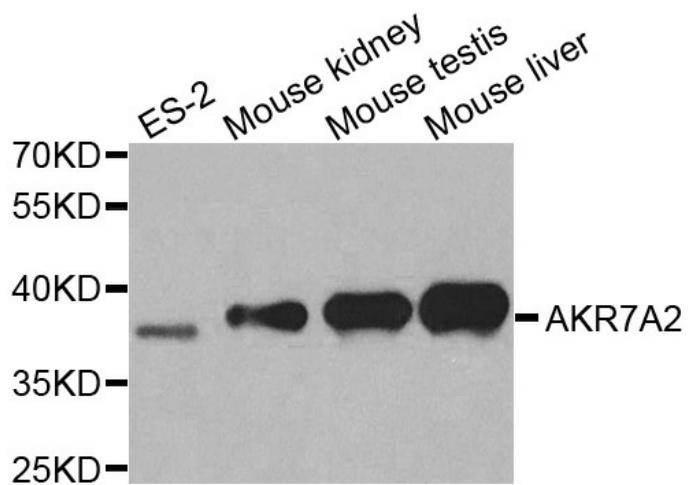
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IHC 1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human AKR7A2
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	aldo-keto reductase family 7, member A2
Database Link:	<a href="#">NP_003680</a> <a href="#">Entrez Gene 171445 Rat</a> <a href="#">Entrez Gene 8574 Human</a> <a href="#">O43488</a>
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. [provided by RefSeq, Oct 2011]
Synonyms:	AFAR; AFAR1; AFB1-AR1; AKR7



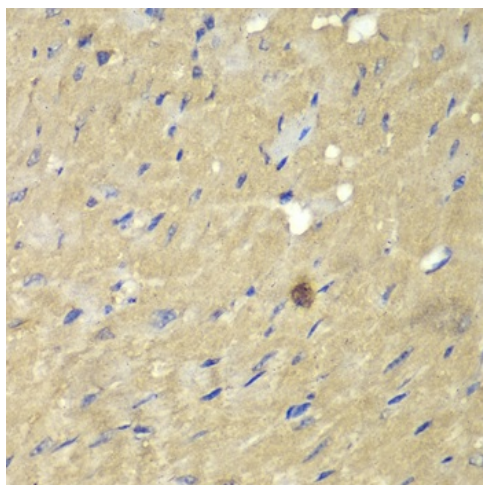
[View online »](#)

Protein Families: Druggable Genome

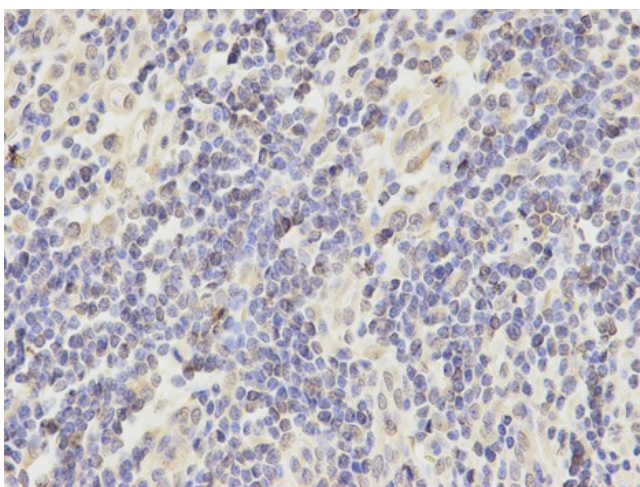
### Product images:



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



Immunohistochemistry of paraffin-embedded mouse heart using AKR7A2 antibody at dilution of 1:100 (400x lens).



Immunohistochemistry of paraffin-embedded human kidney cancer using AKR7A2 antibody at dilution of 1:200 (400x lens).