

## Product datasheet for **TA308027**

### ACMSD Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 105 and 336 of ACMSD (Uniprot ID#Q8TDX5)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38 kDa
Gene Name:	aminocarboxymuconate semialdehyde decarboxylase
Database Link:	<a href="#">NP_612199</a> <a href="#">Entrez Gene 266645</a> <a href="#">MouseEntrez Gene 130013</a> <a href="#">Human Q8TDX5</a>
Background:	The neuronal excitotoxin quinolinate is an intermediate in the de novo synthesis pathway of NAD from tryptophan, and has been implicated in the pathogenesis of several neurodegenerative disorders. Quinolinate is derived from alpha-amino-beta-carboxy-muconate-epsilon-semialdehyde (ACMS). ACMSD (ACMS decarboxylase; EC 4.1.1.45) can divert ACMS to a benign catabolite and thus prevent the accumulation of quinolinate from ACMS. [supplied by OMIM]
Synonyms:	2-amino-3-carboxymuconate-6-semialdehyde decarboxylase; aminocarboxymuconate semialdehyde decarboxylase; OTTHUMP00000162500



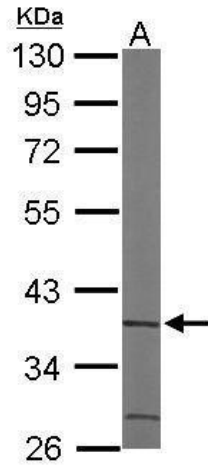
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**Note:** Seq homology of immunogen across species: Bovine (93%)

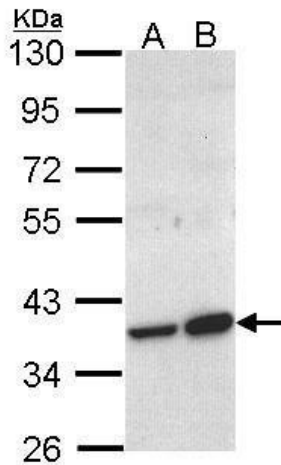
**Protein Families:** Transmembrane

**Protein Pathways:** Metabolic pathways, Tryptophan metabolism

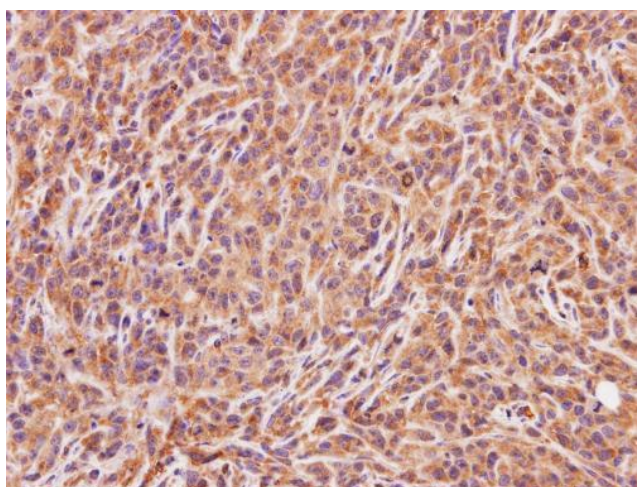
**Product images:**



Sample (50 ug of whole cell lysate). A: Mouse brain. 10% SDS PAGE. TA308027 diluted at 1:1000.



Sample (30 ug of whole cell lysate). A: Molt-4. B: Raji. 10% SDS PAGE. TA308027 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded SAS xenograft, using ACMSD (TA308027) antibody at 1:100 dilution.