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**Product Name: ARALAR Rabbit Polyclonal Antibody****Catalog #: APRab07093**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	75kDa

**Antigen Information**

<b>Gene Name</b>	SLC25A12
<b>Alternative Names</b>	SLC25A12; ARALAR1; Calcium-binding mitochondrial carrier protein Aralar1; Mitochondrial aspartate glutamate carrier 1; Solute carrier family 25 member 12
<b>Gene ID</b>	8604.0
<b>SwissProt ID</b>	O75746
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CMC1. AA range:391-440

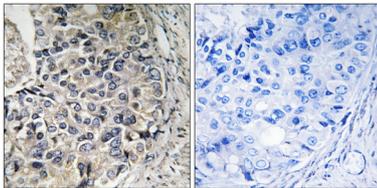
**Background**

This gene encodes a calcium-binding mitochondrial carrier protein. The encoded protein localizes to the mitochondria and is involved in the exchange of aspartate for glutamate across the inner mitochondrial membrane. Polymorphisms in this gene may be associated with autism, and mutations in this gene may also be a cause of global cerebral hypomyelination. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Apr 2012],function:Calcium-dependent mitochondrial aspartate and glutamate carrier. May have a function in the urea cycle.,miscellaneous:Binds calcium.,similarity:Belongs to the mitochondrial carrier family.,similarity:Contains 3 Solcar repeats.,similarity:Contains 4 EF-hand domains.,tissue specificity:High levels in heart and skeletal muscle, low in brain and very low in kidney.,

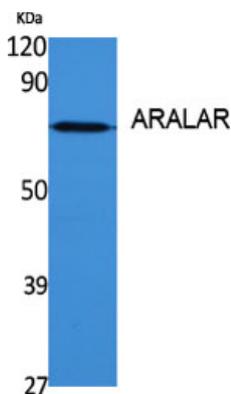
## Research Area

Neuroscience

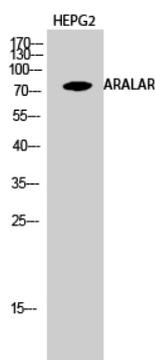
## Image Data



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using CMC1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ARALAR Polyclonal Antibody diluted at 1 : 1000



Western Blot analysis of HEPG2 cells using ARALAR Polyclonal Antibody diluted at 1 : 1000