

## Product datasheet for **TA307903**

### AKAP12 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region within amino acids 1719 and 1782 of AKAP12 (Uniprot ID#Q02952)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal 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:	192 kDa
Gene Name:	A-kinase anchoring protein 12
Database Link:	<a href="#">NP_005091</a> <a href="#">Entrez Gene 9590 Human</a> <a href="#">Q02952</a>



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**Background:**

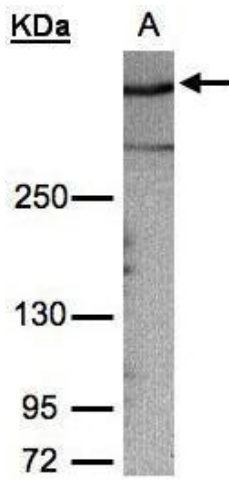
The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein is expressed in endothelial cells, cultured fibroblasts, and osteosarcoma cells. It associates with protein kinases A and C and phosphatase, and serves as a scaffold protein in signal transduction. This protein and RII PKA colocalize at the cell periphery. This protein is a cell growth-related protein. Antibodies to this protein can be produced by patients with myasthenia gravis. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

**Synonyms:**

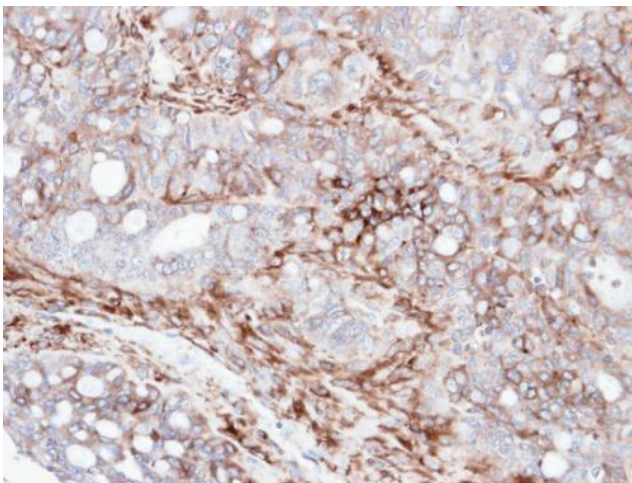
AKAP250; SSeCKS

**Protein Families:**

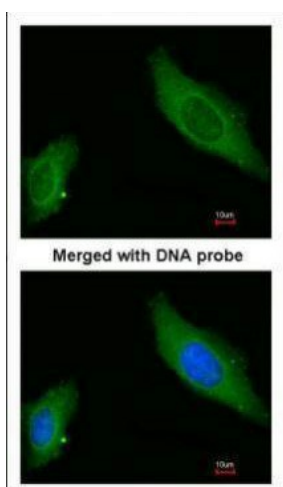
Druggable Genome

**Product images:**

Sample (30ug whole cell lysate). A:HeLa S3. 5% SDS PAGE. TA307903 diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded serous OVCA, using AKAP12 (TA307903) antibody at 1:100 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using AKAP12 (TA307903) antibody at 1:200 dilution.