# ANXA7 Rabbit mAb

Catalog No.: A21109 Recombinant 1 Publications



# **Basic Information**

**Observed MW** 47kDa

**Calculated MW** 53kDa

Category Primary antibody

Applications WB, IF/ICC, ELISA

**Cross-Reactivity** Human, Mouse, Rat

**CloneNo number** ARC3025

# Background

Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb which are predicted to generate two protein isoforms differing in their N-terminal domain. The alternative splicing event is tissue specific and the mRNA containing the cassette exon is prevalent in brain, heart and skeletal muscle. The transcripts also differ in their 3'-non coding regions by the use of two alternative poly(A) signals. Annexin VII encodes a protein with a molecular weight of approximately 51 kDa with a unique, highly hydrophobic Nterminal domain of 167 amino acids and a conserved C-terminal region of 299 amino acids. The latter domain is composed of alternating hydrophobic and hydrophilic segments. Structural analysis of the protein suggests that Annexin VII is a membrane binding protein with diverse properties, including voltage-sensitive calcium channel activity, ion selectivity and membrane fusion.

## **Recommended Dilutions**

WB	1:100 - 1:500
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

#### Gene ID 310

**Swiss Prot** P20073

#### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

SNX; ANX7; SYNEXIN; ANXA7

## Contact

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# **Product Information**

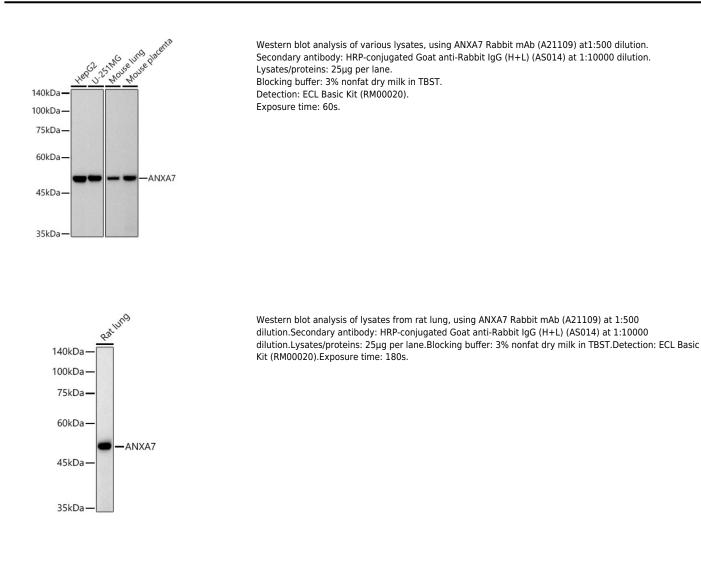
Source Rabbit

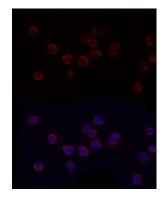
Isotype lgG

Purification Affinity purification

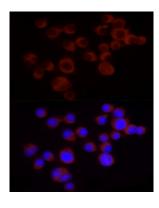
#### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.





Immunofluorescence analysis of Jurkat cells, using ANXA7 Rabbit mAb (A21109) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Neuro-2a cells, using ANXA7 Rabbit mAb (A21109) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.