9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

# Datasheet

## ANXA7 MaxPab mouse polyclonal antibody (B01)

**Catalog Number:** H00000310-B01

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse polyclonal antibody raised against a full-length human ANXA7 protein.

**Immunogen:** ANXA7 (NP_001147.1, 1 a.a. ~ 466 a.a) full-length human protein.

**Sequence:**
MSYPGYPPTGYPPFPGYPPAGQESSFPPSGQYPYPS
GFPPMGGGAYPQVPSSGYPGAGGYPAPGGYPAPGG
YPGAPQPGGAPSYPGVPPGQGFGVPPGGAGFSGYP
QPPSQSYGGGPAQVPLPGGFPGGQMPSQYPGGQPT
YPSQPATVTQVTQGTIRPAANFDAIRDAEILRKAMKGF
GTDEQAIVDVVANRSNDQRQKIKAAFKTSYGKDLIKDL
KSELSGNMEELILALFMPPTYYDAWSLRKAMQGAGTQ
ERVLIEILCTRTNQEIREIVRCYQSEFGRDLEKDIRSDTS
GHFERLLVSMCQGNRDENQSINHQMAQEDAQRLYQA
GEGRLGTDESCFNMILATRSFPQLRATMEAYSRMANR
DLLSSVSREFSGYVESGLKTILQCALNRPAFFAERLYY
AMKGAGTDDSTLVRIVVTRSEIDLVQIKQMFAQMYQKT
LGTMIAGDTSGDYRRLLLAIVGQ

**Host:** Mouse

**Reactivity:** Human

**Applications:** IF, WB-Ce, WB-Ti, WB-Tr
(See our web site product page for detailed applications information)

**Protocols:** See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

**Storage Buffer:** No additive

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 310

**Gene Symbol:** ANXA7

**Gene Alias:** ANX7, SNX, SYNEXIN

**Gene Summary:** 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 N-terminal 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. [provided by RefSeq]