

Product datasheet for **CF502048**

Annexin A3 (ANXA3) Mouse Monoclonal Antibody [Clone ID: OTI1A9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A9
Applications:	FC, WB
Recommended Dilution:	WB 1:500~2000, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ANXA3 (NP_005130) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36.2 kDa
Gene Name:	annexin A3
Database Link:	NP_005130 Entrez Gene 11745 Mouse Entrez Gene 25291 Rat Entrez Gene 478447 Dog Entrez Gene 697239 Monkey Entrez Gene 306 Human P12429



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Background:

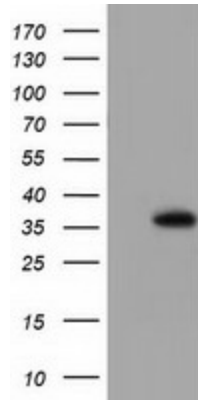
This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions in the inhibition of phospholipase A2 and cleavage of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. This protein may also play a role in anti-coagulation. [provided by RefSeq]

Synonyms:

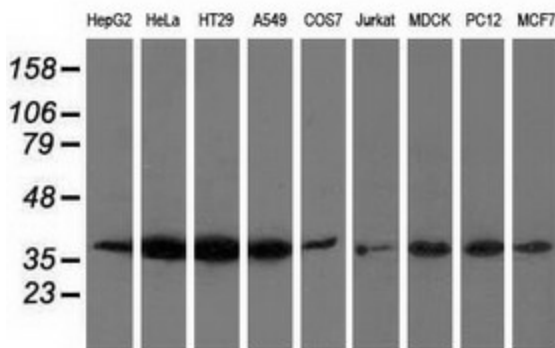
ANX3

Protein Families:

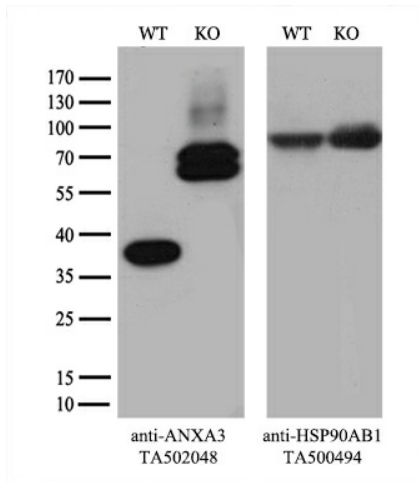
Stem cell - Pluripotency

Product images:


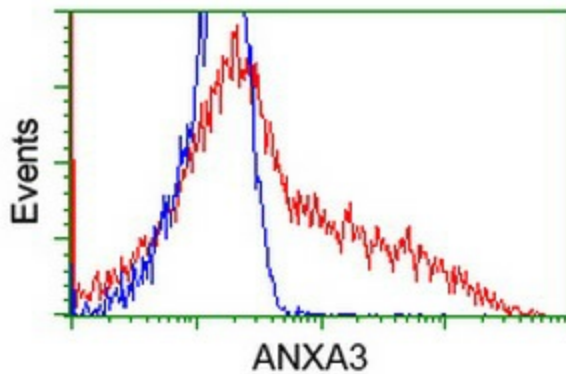
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ANXA3 ([RC201540], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ANXA3. Positive lysates [LY417500] (100ug) and [LC417500] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ANXA3 monoclonal antibody.



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and ANXA3-Knockout HeLa cells (KO, Cat# [LC812280]) were separated by SDS-PAGE and immunoblotted with anti-ANXA3 monoclonal antibody [TA502048] (1:500^v). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



HEK293T cells transfected with either [RC201540] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ANXA3 antibody ([TA502048]), and then analyzed by flow cytometry.