Human Annexin A8/ANXA8 Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF8105T
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Annexin A8/ANXA8 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) ANXA4, rhANXA5, rhANXA6, rhANXA7, rhANXA11, and rhANXA13A is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Annexin A8/ANXA8 Ala2-Pro327 Accession # P13928
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Annexin A8 (ANXA8), also known as VAC-beta, is an approximately 37 kDa member of the Annexin family of calcium-dependent phospholipid-binding proteins. Annexin A8 associates with the cytosolic face of endosomal membranes in the presence of elevated calcium, and it plays a role in endosomal vesicle trafficking. Annexin A8 is widely expressed in epithelial cells, particularly in the tongue, skin, cornea, and pubertal mammary ducts. It is upregulated in mammary hyperplasia and adenocarcinoma as well as infiltrating pancreatic adenocarcinoma. Annexin A8 is also upregulated during osteoclast differentiation at sites of bone loss. A highly similar duplicated copy of this gene is found in close proximity on the long arm of chromosome 10. Also, multiple copies of ANXA8-like sequences are reported on human chromosome 10q11. Human Annexin A8 shares 92% amino acid sequence identity with mouse and rat Annexin A8.

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