

RUO DATA SHEET

Annexin VII

Concentrated Rabbit Monoclonal Antibody

Intended Use:

For Research Use Only (RUO)

Epitomics' Rabbit Monoclonal Anti-Human Annexin VII, Clone EP367, is intended for use to qualitatively identify Annexin VII by light microscopy in sections of formalin-fixed, paraffin-embedded tissue using immunohistochemical detection methodology.

Catalog number	Description	Dilution
AC-0322RUO	0.1 ml, concentrated	1:100-1:200
AC-0322RUOB	0.5 ml, concentrated	1:100-1:200
AC-0322RUOC	1 ml, concentrated	1:100-1:200
AC-0322RUOBULK	2 ml or more, concentrated	1:100-1:200

Immunogen: A recombinant human Annexin VII protein was used as immunogen

Source: Rabbit Monoclonal Antibody

Clone ID: EP367

Isotype: Rabbit IgG

Application: Immunohistochemistry for formalin-fixed paraffin-embedded tissue

Summary and Explanation:

Annexin VII, also known as Annexin A7, is a calcium/phospholipid-binding protein belongs to the annexin superfamily. Annexin VII is broadly expressed in normal and tumor cells. Dysregulation of Annexin VII has been linked to progression of several types of tumors. The role of Annexin VII expression in tumor progression is tumor-type-specific. It acts as a tumor suppressor in glioblastoma, melanoma and prostate carcinoma, whereas high expression of Annexin VII may be associated with poor prognosis of hepatocellular carcinoma and gastric carcinoma.

Reagent Provided:

Antibody to Annexin VII is affinity purified and diluted in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN₃).

Storage and Stability:

Store at 2-8 °C. Do not use after expiration date provided on the vial. End user must validate any storage conditions other than those specified.

Procedures Recommended:

1. Pretreatment: Epitope retrieval using Tris/EDTA (catalog #: SP-0004) with a pressure cooker.

2. Endogenous peroxidase block: Block for 10 minutes at room temperature using peroxidase solution (catalog #: SP-0002).

3. Protein block: Block for 10 minutes at room temperature using blocking solution (catalog #: SP-0003).

4. Primary antibody: Incubate for 30 minutes.

5. Detection: Follow instructions from the selected detection system (EpiPrecision™, a Biotin Streptavidin-HRP Detection, catalog #: DK-0001, 0003, or EpiVision™, a Rabbit Polymer Detection, catalog # DK-0002, 0004).

The antibody dilution and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory.

Performance Characteristics:

This antibody gives cytoplasm/membrane or nuclear staining in positive cells. The recommended positive controls are tonsil for normal tissue and prostate tumor for abnormal tissue.

Limitations:

Immunohistochemistry is a complex process. Variation in tissue selection, tissue processing, antigen retrieval, peroxidase activity, detection systems and improper counterstaining may cause variation in results.

References:

- Guo C, et al.: *Clin Chim Acta*. 2013;423:83-9.
- Srivastava M, et al.: *Clin Cancer Res*. 2004;10(7):2344-50.
- Yuan HF, et al.: *Int J Clin Exp Pathol*. 2014;7(10):6567-74.

