

Anti-EWS Antibody

Our Anti-EWS primary antibody from PhosphoSolutions is mouse monoclonal. It detects canine, human, m Catalog # AN1380

Specification

Anti-EWS Antibody - Product Information

| Application | WB, IHC |
|-------------------|-----------------------------|
| Primary Accession | <u>Q01844</u> |
| Reactivity | Bovine, Chicken, Drosophila |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | lgG2b |
| Calculated MW | 68478 |
| | |

Anti-EWS Antibody - Additional Information

Gene ID

2130

Other Names

4 Ewing sarcoma breakpoint region 1 protein antibody, Ewing sarcoma breakpoint region 1 antibody, Ewing sarcoma breakpoint region 1 protein antibody, Ewings sarcoma EWS Fli1 type 1 oncogene antibody, EWS antibody, EWS oncogene antibody, EWS RNA binding protein 1 antibody, EWS HUMAN antibody, EWSR 1 antibody, Ewsr1 antibody, EWSR1 protein antibody, RNA binding protein EWS antibody, RNA-binding protein EWS antibody

Target/Specificity

The Ewing Sarcoma Breakpoint Region 1 (EWSR1) gene encodes the EWS protein, which along with FUS and TAF15 comprises the FET family of RNA-binding proteins. EWS is primarily expressed in the nucleus, but has also been found in the cytoplasm of secretory cell types (Andersson et al., 2008). Defects of EWSR1 are known to cause Ewing sarcoma and have been implicated in amyotrophic lateral sclerosis (ALS) (Svetoni et al., 2016). Recently, EWS has been shown to directly interact with oncogenic ETS transcription factors in the promotion of prostate cancer (Kedage et al., 2016).

Dilution WB~~1:1000 IHC~~1:100~500

Format Protein G Purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions Anti-EWS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

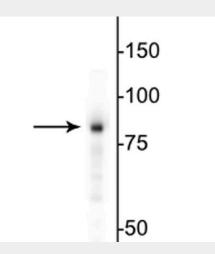


Anti-EWS Antibody - Protocols

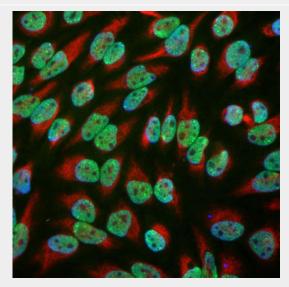
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-EWS Antibody - Images



Western blot of HeLa cell lysate showing specific immunolabeling of the ~85 kDa EWS protein.



Immunofluorescence of HeLa cells showing clear localized labeling of the DNA in the nucleus with Anti-EWS (cat. 540-EWS, 1:1000, green) while Anti-Vimentin (cat. 2105-VIM, 1:5000, red) labels the cytoplasmic intermediate filament, and Hoechst DNA stain (blue).

Anti-EWS Antibody - Background



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