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Anti-EWS Antibody

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

Product Information

Application	WB, IHC, ICC
Primary Accession	Q01844
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Names	5H7
Calculated MW	68478

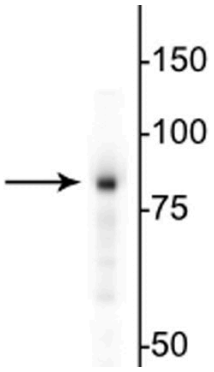
Additional Information

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 ICC~~N/A
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

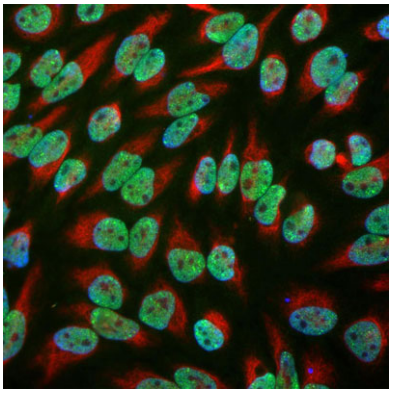
Background

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).

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. AN1380, 1:1000, green) while Anti-Vimentin (cat. 2105-VIM, 1:5000, red) labels the cytoplasmic intermediate filament, and Hoechst DNA stain (blue).