

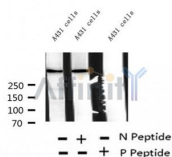
Phospho-RYR2(Ser2814) Ab

Cat.#: AF2303
Size: 100ul,200ul

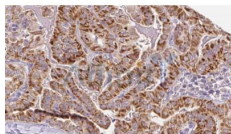
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 564 kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human,Dog
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-RYR2(Ser2814) Ab detects endogenous levels of RYR2.
Immunogen:	A synthesized peptide derived from human RYR2 around the phosphorylation site of Ser2814.
Uniprot:	Q92736
Subcellular Location:	Sarcoplasmic reticulum membrane. Membrane. The number of predicted transmembrane domains varies between orthologs, but both N-terminus and C-terminus seem to be cytoplasmic.
Tissue Specificity:	Detected in heart muscle (at protein level). Heart muscle, brain (cerebellum and hippocampus) and placenta.
Similarity:	The calcium release channel activity resides in the C-terminal region while the remaining part of the protein resides in the cytoplasm. Belongs to the ryanodine receptor (TC 1.A.3.1) family. RYR2 subfamily. [View classification]
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis of extracts of A431 cells, using Phospho-RYR2(Ser2814) Ab.



AF2303 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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