

Recombinant PTEN (Tumor Suppressor Oncoprotein) Antibody

Rabbit Monoclonal Antibody [Clone PTEN/12943R]

Catalog No	Format	Size
5728-RBM18-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5728-RBM18-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5728-RBM18-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

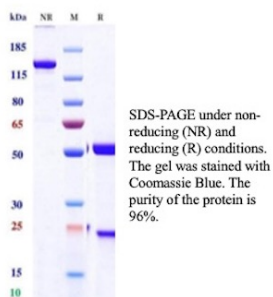
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

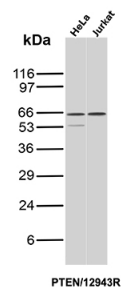
Clone	PTEN/12943R
Immunogen	Recombinant fragment (around aa392-403) of the human PTEN protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	47.17kDa
Cellular Localization	Cell projection, Cytoplasm, Dendritic spine, Nucleus, PML body, Postsynaptic density, Secreted
Species Reactivity	Human
Positive Control	Human prostate, Ovary, Heart, breast, liver or renal carcinoma. DU 145, A-431, MCF7 or HeLa, Jurkat.

*Optimal dilution for a specific application should be determined.

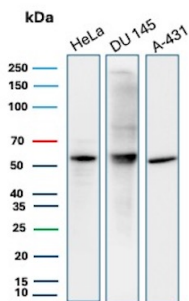
Product Images for Recombinant PTEN (Tumor Suppressor Oncoprotein) Antibody



SDS-PAGE Analysis of Purified PTEN Recombinant Rabbit Monoclonal Antibody (PTEN/12943R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of HeLa and Jurkat cell lysates using PTEN Recombinant Rabbit Monoclonal Antibody (PTEN/12943R).



Western Blot Analysis of HeLa, DU 145 and A-431 cell lysates using PTEN Rabbit Recombinant Monoclonal Antibody (PTEN/12943R).

Specificity & Comments

PTEN (phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase) contains a tensin like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. It was identified as a tumor suppressor that is mutated in a large number of cancers, including sporadic brain, breast, kidney, and prostate cancers.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.