Heregulin-1 / Neuregulin-1 (Breast and Urothelial Marker) Antibody

Mouse Monoclonal Antibody [Clone NRG1/2710]

Catalog No	Format	Size
3084-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3084-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3084-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

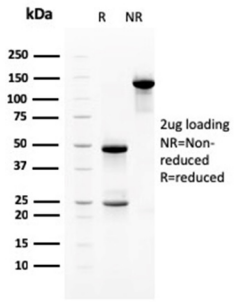
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

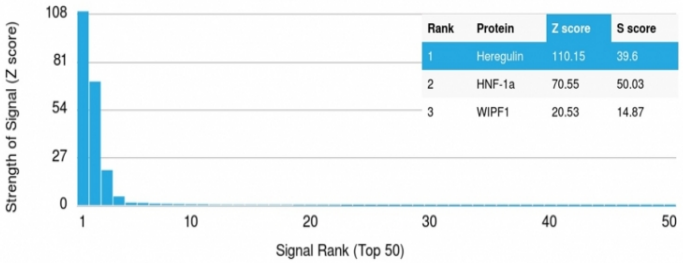
Clone	NRG1/2710
Gene Name	NRG1
Immunogen	Recombinant fragment of human Neuregulin-1 (NRG1) protein (around aa 21-242) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	26-71kDa
Cellular Localization	Cell membrane, Membrane, Nucleus, Secreted
Species Reactivity	Human
Positive Control	A431, Bladder or Thyroid Carcinoma., MCF-7 or T47D cells. Breast

**Optimal dilution for a specific application should be determined.*

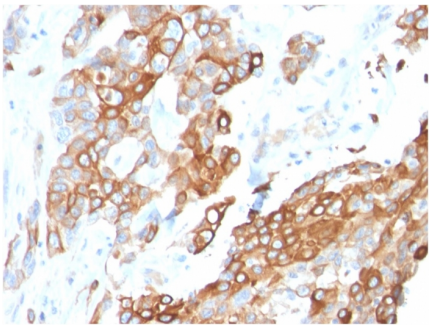
Product Images for Heregulin-1 / Neuregulin-1 (Breast and Urothelial Marker) Antibody



SDS-PAGE Analysis of Purified Heregulin-1 Mouse Monoclonal Antibody (NRG1/2710). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Heregulin-1 Mouse Monoclonal Antibody (NRG1/2710). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Heregulin-1 Mouse Monoclonal Antibody (NRG1/2710).

Specificity & Comments

Heregulin-1 is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD).

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. 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.

Research Areas

AKT Signaling, Cardiovascular, Infectious Disease, Nuclear Marker, Ovarian Cancer, Signal Transduction

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.