

Product Datasheet

EGFR Antibody (29.1) NB120-10414

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB120-10414

EGFR Antibody (29.1)

Product Information

Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	29.1
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites

Product Description

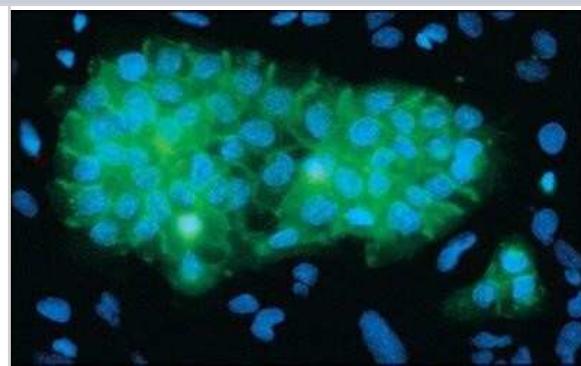
Host	Mouse
Gene ID	1956
Gene Symbol	EGFR
Species	Human, Mouse, Rat, Porcine, Canine
Reactivity Notes	Not yet tested in other species. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	Localizes blood type A-related determinants on various glycoproteins and glycolipids in addition to specific EGF receptor determinants (only observed in human tissue). Binds an external carbohydrate on the receptor and does not block EGF binding.
Immunogen	Mice were immunized with paraformaldehyde-fixed carcinoma cell line A431, which contains 2 x 10 ⁶ EGF receptors per cell.

Product Application Details

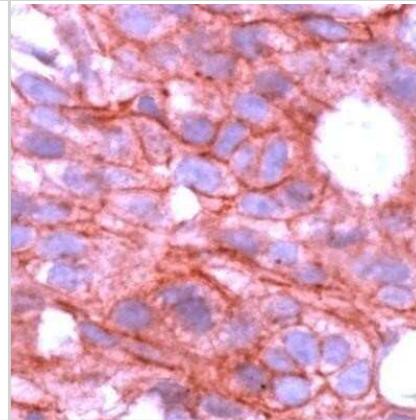
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:3000, ELISA 1:10000 (Indirect), Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	IP: Use at an assay dependent dilution. WB: Detects a band of approximately 170 kDa. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

Images

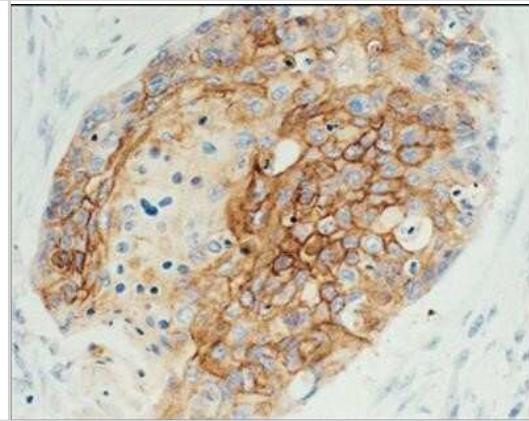
Immunocytochemistry/Immunofluorescence: EGFR Antibody (29.1) [NB120-10414] - Photomicrograph of a mixed cell culture of an amelanotic melanoma cell line (Hs695T) and an epidermoid carcinoma cell line (A431). Cells were grown on coverslips, fixed and stained with Monoclonal Anti-EGF Receptor (clone no. 29.1, NB120-10414). Green fluorescence; and Hoechst No. 33258 blue nuclear stain. Coverslips were photographed on a NIKON Microphot-FXA. From G. MacKenzie, Immunogen, Inc., Cambridge, MA.



Immunohistochemistry-Paraffin: EGFR Antibody (29.1) [NB120-10414] - Human Breast Carcinoma



Immunohistochemistry-Paraffin: EGFR Antibody (29.1) [NB120-10414] - Lung carcinoma labeled with Monoclonal Anti-Epidermal Growth Factor Receptor. From R. Robinson, Univ. of Iowa, College of Med., Dept. of Pathology, Iowa City, IA.



Publications

Graner AN, Hellwinkel JE, Lencioni AM et al. HSP90 inhibitors in the context of heat shock and the unfolded protein response: effects on a primary canine pulmonary adenocarcinoma cell line. *Int J Hyperthermia*. 2016-11-09 [PMID: 27829290] (WB, Canine)

Ivanina AV, Sokolova IM. Effects of cadmium exposure on expression and activity of P-glycoprotein in eastern oysters, *Crassostrea virginica* Gmelin. *Aquat Toxicol* 2008-06-02 [PMID: 18453012]



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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