

Epidermal Growth Factor Receptor (EGFR, Clone EP38Y)

Rabbit Monoclonal Antibody

Produced by Epitomics, Inc. Using Technology Licensed Under Patent no. 5,675,063

Cat. #RM-2111-S0, or -S (0.1ml, or 1.0ml Supernatant)

Cat. #RM-2111-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Cat. #RM-2111-RQ (12.0ml) (Ready-to-Use for Automated Immunohistochemical Staining)

Please note this data sheet has been changed effective December 14, 2011

Description: EGFR is a type I receptor tyrosine kinase with sequence homology to c-erbB2, B3, B4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- α (TGF- α), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. EGFR is overexpressed in tumors of breast, brain, bladder, colon, lung, stomach, head&neck, esophagus, cervix, vulva, ovary, and endometrium. It is predominantly present in squamous cell carcinomas.

Mol. Wt. of Antigen: 175kDa

Epitope: not determined

Ig Isotype: Rabbit IgG

Species Reactivity: Human. Others not tested.

Clone Designation: EP38Y

Immunogen:

A synthetic phospho-peptide corresponding to residues surrounding Tyr1068 of human EGFR

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin)
Use Ab at 1:100 for 20min at RT using UltraVision LP systems

Use Ab at 1:200 for 20min at RT using Ultravision Quanto systems

* (Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 1mM EDTA, pH 8.0 (cat. # AP-9004-XXX or TA-XXX-PM2X) heating to 98°C for 20 min using the Thermo Scientific PT Module)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Squamous carcinoma

Cellular Localization: Cell membrane and occasional cytoplasmic

Supplied As:

Tissue culture supernatant with 15mM sodium azide.

or
Prediluted antibody which is ready-to-use for immunohistochemical staining.

Storage and Stability:

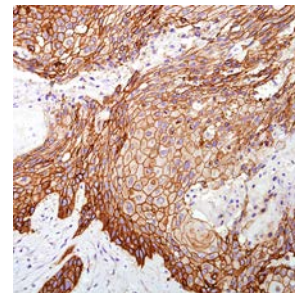
Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.



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Formalin-fixed, paraffin-embedded human squamous cell carcinoma stained with rabbit monoclonal anti-Epidermal Growth Factor Receptor antibody (EGFR) (Cat. #RM-2111-S) using peroxidase-conjugate and DAB chromogen. Note membrane staining of tumor cells.

For Research Use Only



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