

ARG63540 anti-EPS8 antibody

Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Goat Polyclonal antibody recognizes EPS8 |
| Tested Reactivity | Hu |
| Predict Reactivity | Ms, Rat, Dog, Pig |
| Tested Application | IHC-P |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | EPS8 |
| Species | Human |
| Immunogen | C-SGVESFDEGSSH |
| Conjugation | Un-conjugated |
| Alternate Names | DFNB102; Epidermal growth factor receptor kinase substrate 8 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|--------------|
| | IHC-P | 5 - 10 µg/ml |

Application Note
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

Database links

[GeneID: 2059 Human](#)

[Swiss-port # Q12929 Human](#)

Background

This gene encodes a member of the EPS8 family. This protein contains one PH domain and one SH3 domain. It functions as part of the EGFR pathway, though its exact role has not been determined. Highly similar proteins in other organisms are involved in the transduction of signals from Ras to Rac and growth factor-mediated actin remodeling. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

Research Area

Cancer antibody; Signaling Transduction antibody

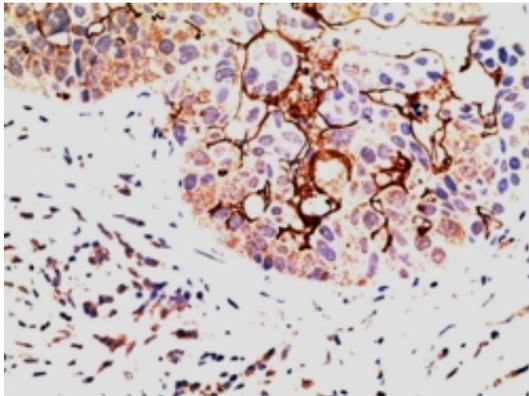
Calculated Mw

92 kDa

PTM

Ubiquitinated by the SCF(FBXW5) E3 ubiquitin-protein ligase complex during G2 phase, leading to its transient degradation and subsequent cell shape changes required to allow mitotic progression. Reappears at the midzone of dividing cells (By similarity). Phosphorylation at Ser-625 and Thr-629 by MAPK following BDNF treatment promotes removal from actin and filopodia formation (By similarity). Phosphorylated by several receptor tyrosine kinases.

Images



ARG63540 anti-EPS8 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Breast Carcinoma. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63540 anti-EPS8 antibody at 5 µg/ml dilution followed by AP-staining.