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Datasheet for ABIN1724651

anti-EPH Receptor A2 antibody

2 Images

2 Publications

Overview

| | |
|--------------|--|
| Quantity: | 100 µL |
| Target: | EPH Receptor A2 (EPHA2) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This EPH Receptor A2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|---------------|--|
| Immunogen: | Purified recombinant fragment of EphA2 expressed in E. coli. |
| Clone: | 1B3C7 |
| Isotype: | IgM |
| Purification: | purified |

Target Details

| | |
|-------------------|--|
| Target: | EPH Receptor A2 (EPHA2) |
| Alternative Name: | EphA2 (EPHA2 Products) |
| Background: | Description: EPH receptor A2 (EphA2), with 976-amino acid protein (about 107 kDa), belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EphA1, EphA2, EphA3, EphA4, EphA5, EphA6, EphA7, EphA8, EphA10, EphB1, EphB2, EphB3, EphB4 and EphB6 are Eph family receptors for Ephrin family ligands. In normal cells, EphA2 negatively regulates cell |

Target Details

growth and invasiveness. EphA2 is overexpressed by many human cancers, and is often associated with poor prognostic features. The clinical significance of the expression of EphA2 was observed in breast, prostate, colon, skin, cervical, ovarian, and lung cancers. EphA2 may serve as a novel target for bladder cancer, colonic adenocarcinoma and ovarian cancer therapy.

Aliases: ECK, EPHA2

Gene ID: 1969

HGNC: 1969

Pathways: [RTK Signaling](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

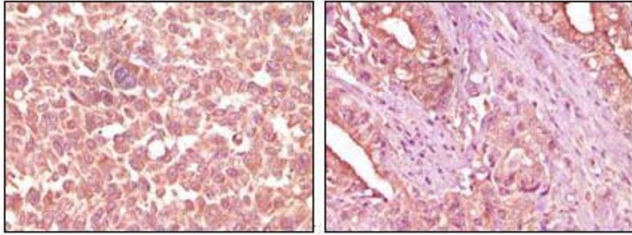
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

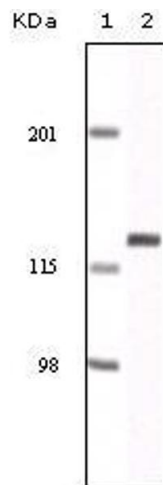
Product cited in: Pfister, Erdmann, Schneider: "[Natriuretic peptides BNP and NT-pro-BNP--the "new troponins" for estimation of heart failure?]." in: **Deutsche medizinische Wochenschrift (1946)**, Vol. 128, Issue 18, pp. 1007-12, (2003) ([PubMed](#)).

Dawson, Struthers: "Screening for treatable left ventricular abnormalities in diabetic patients." in: **Expert opinion on biological therapy**, Vol. 3, Issue 1, pp. 107-12, (2003) ([PubMed](#)).



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human skin carcinoma (left) and pancreas carcinoma (right) tissue, showing cytoplasmic localization using EphA2 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using EphA2 mouse mAb against NIH/3T3 cell lysate.