

Anti-Peroxiredoxin 2 Antibody (9K489)

Product Details

| | |
|---------------|-------------------------|
| Ig Type: | Mouse IgG2a |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 9K489 |
| Purification: | Affinity-chromatography |

Applications

1. IHC image of TMAH-00999 diluted at 1:130 and staining in paraffin-embedded human endometrial cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.

Verified Activity: 2. Overlay Peak curve showing Hela cells stained with TMAH-00999 (red line) at 1:200. The cells were fixed in 4% formaldehyde (15min) and permeated by 0.2% TritonX-100 for 10min. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,020 events was performed.

Application: ELISA,FCM,IHC

Recommended IHC:1:20-1:200; FCM:1:20-1:200.

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

| | |
|------------------|--------------------------------------------------------------------------|
| Immunogen: | Recombinant Protein: Human PRDX2 Protein |
| Antigen Species: | Human |
| Gene ID: | 7001 |
| Uniprot ID: | P32119 |
| Synonyms: | NKEF-B;PRXII;HEL-S-2a;PRP;PRX2;PTX1;peroxiredoxin 2;TSA;NKEFB;TDPX1;TPX1 |
| Biology Area: | Neuroscience, Cancer, Cell biology, Metabolism |

Research Background

Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as

A DRUG SCREENING EXPERT

sensor of hydrogen peroxide-mediated signaling events. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H₂O₂.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481