

Anti-FURIN Antibody (8Q583)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 8Q583 |
| Purification: | Affinity-chromatography |

Applications

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| Verified Activity: | <p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: A549 whole cell lysate, Hela whole cell lysate, A375 whole cell lysate, HT-29 whole cell lysate, HepG2 whole cell lysate, U-87 whole cell lysate-All lanes: Furin antibody at 1:1000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 87 kDa <p>2. IHC image of TMAH-00465 diluted at 1:100 and staining in paraffin-embedded human placenta tissue 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-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p> |
| Application: | ELISA, WB, IHC |
| Recommended | WB:1:500-1:5000; IHC:1:50-1:200. |

Properties

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

Antigen Details

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| Immunogen: | A synthetic peptide: Human Furin |
| Antigen Species: | Human |
| Gene ID: | 5045 |
| Uniprot ID: | P09958 |
| Synonyms: | Dibasic-processing enzyme;PCSK3;Paired basic amino acid residue-cleaving enzyme;FURIN; FUR;PACE |
| Biology Area: | Cell biology, Metabolism, Signal transduction |

Research Background

Ubiquitous endoprotease within constitutive secretory pathways capable of cleavage at the RX(K/R)R consensus motif. Mediates processing of TGF β 1, an essential step in TGF-beta-1 activation. Converts through proteolytic

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cleavage the non-functional Brain natriuretic factor prohormone into its active hormone BNP(1-32). (Microbial infection) Cleaves and activates diphtheria toxin DT. (Microbial infection) Cleaves and activates anthrax toxin protective antigen (PA). (Microbial infection) Required for H7N1 and H5N1 influenza virus infection probably by cleaving hemagglutinin. (Microbial infection) Able to cleave S.pneumoniae serine-rich repeat protein PsrP. (Microbial infection) Facilitates human coronaviruses EMC and SARS-CoV-2 infections by proteolytically cleaving the spike protein at the monobasic S1/S2 cleavage site. This cleavage is essential for spike protein-mediated cell-cell fusion and entry into human lung cells. (Microbial infection) Facilitates mumps virus infection by proteolytically cleaving the viral fusion protein F.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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