3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: WB, IHC-P, FC-FP | Reactivity: H M R Hm Mk | Sensitivity: Endogenous | MW (kDa): 85 IKK-alpha 87 IKK-beta | Source/Isotype: Rabbit IgG | UniProt ID: #O15111 | Entrez-Gene ld: 1147 | |
|---|--|---|--|---|---|--|--|
| Product Usage Information | Wes | blication stern Blotting hunohistochemistr | y (Paraffin) | | Dilution 1:1000 1:75 - 1:3 | 00 | |
| | Flov | Flow Cytometry (Fixed/Permeabilized) 1:400 - 1:1600 | | | | 1600 | |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. | | | | | |
| | For a | For a carrier free (BSA and azide free) version of this product see product #36214. | | | | | |
| Specificity / Sens | | Phospho-IKK α / β (Ser176/180) (16A6) Rabbit mAb detects IKK α only when phosphorylated at Ser176/180 and IKK β only when phosphorylated at Ser177/181. | | | | | |
| Species predicted react based on 10 sequence homolo | 0% | ne | | | | | |
| Source / Purificat | | | s produced by imm Ser176/180 of huma | | synthetic phosphopepti | de corresponding to | |
| Background | inhibi phos pathv gene subu phos | itory IkB proteins phorylation-induce way involves activ rally carried out b nits of the kinase phorylation at Ser | (1-3). Most agents ed, proteasome-me ation of a high mole y three tightly asso and IKKy serves as 177 and Ser181 in | that activate NF-κB do ediated degradation of ecular weight IκB kinas ciated IKK subunits. IK s the regulatory subuni | an inactive state, comp so through a common p IkB (3-7). The key regul se (IKK) complex whose K α and IKK β serve as t t (8,9). Activation of IKK KK β (Ser176 and Ser18 0-13). | pathway based on latory step in this e catalysis is the catalytic C depends upon | |
| Background Refe | 2. Be 3. Fir 4. Bro 5. Bro 6. Tra 7. Ch 8. Za 9. Ka 10. Dit 11. Me 12. Joi | g, A.A. and Baldw nco, T.S. et al. (19 own, K. et al. (199 ockman, J.A. et al aenckner, E.B. et aen, Z.J. et al. (199 ndi, E. et al. (199 ndi, E. et al. (199 rrin, M. (1999) <i>On</i> Donato, J.A. et al. ercurio, F. et al. (1 hnson, L.N. et al. | vin, A.S. (1993) Gei | <i>iol</i> 15, 2809-18. 14, 2876-83. 4. , 548-54. 860-6. I-58. | | | |
| Species Reactivit | y Specie | es reactivity is det | termined by testing | in at least one approv | ed application (e.g., we | stern blot). | |
| Western Blot Buff | | | ern blots, incubate i C with gentle shakir | | primary antibody in 5% | o w/v BSA, 1X TBS, | |

| 3/27/24, 10:31 AM Applications Key | Phospho-IKKα/β (Ser176/180) (16A6) Rabbit mAb (#2697) Datasheet Without Images Cell Signaling Tech WB: Western Blotting IHC-P: Immunohistochemistry (Paraffin) FC-FP: Flow Cytometry (Fixed/Permeabilized) |
|---------------------------------------|--|
| Cross-Reactivity | H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected |
| Trademarks and Patents | Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information. |
| Limited Uses | Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect. |
| | Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products. |