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Datasheet for ABIN3030211 anti-BTK antibody (AA 209-239)

5 Images



Overview

| Quantity: | 0.4 mL |
|----------------------|---|
| Target: | BTK |
| Binding Specificity: | AA 209-239 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This BTK antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

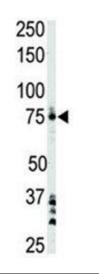
| Immunogen: | A portion of amino acids 209-239 from the human protein was used as the immunogen for this BTK antibody. |
|---------------|--|
| Isotype: | Ig Fraction |
| Purification: | Purified |

Target Details

| Target: | ВТК |
|-------------------|--|
| Alternative Name: | BTK (BTK Products) |
| Background: | BTK plays a crucial role in B-cell ontogeny. This protein transiently phosphorylates GTF2I on tyrosine residues in response to B-cell receptor cross-linking. Defects in BTK are the cause of X- |
| | linked agammaglobulinemia type 1 (XLA). XLA is a humoral immunodeficiency disease which |

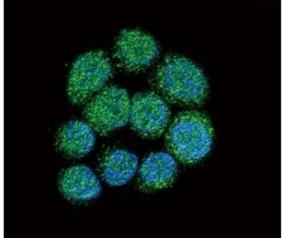
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN3030211 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

| | results in developmental defects in the maturation pathway of B-cells. Affected boys have |
|---------------------|---|
| | normal levels of pre-B-cells in their bone marrow but virtually no circulating mature B- |
| | lymphocytes. This results in a lack of immunoglobulins of all classes and leads to recurrent |
| | bacterial infections like otitis, conjunctivitis, dermatitis, sinusitis or fatal sepsis or meningitis |
| | within the first years of life. |
| UniProt: | Q06187 |
| Pathways: | Fc-epsilon Receptor Signaling Pathway, Hormone Transport, Activation of Innate immune |
| | Response, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of |
| | Immune Response, Toll-Like Receptors Cascades, BCR Signaling |
| | |
| Application Details | |
| Application Notes: | Titration of the BTK antibody may be required due to differences in protocols and |
| | secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,IHC |
| | (Paraffin): 1:50-1:100 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Buffer: | In 1X PBS, pH 7.4, with 0.09 % 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: | -20 °C |
| Storage Comment: | Aliquot the BTK antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw |
| | cycles. |
| | |



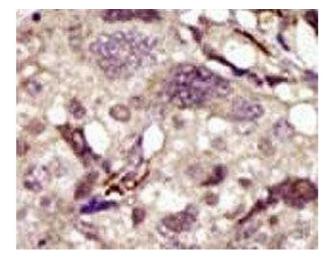
Western Blotting

Image 1. BTK antibody used in western blot to detect BTK in Ramos cell lysate



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of BTK antibody with 293 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunohistochemistry

Image 3. IHC analysis of FFPE human breast carcinoma tissue stained with the BTK antibody

Please check the product details page for more images. Overall 5 images are available for ABIN3030211.

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