BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# Dok-3 Polyclonal Antibody

## Description

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|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP02699 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human DOK3. AA range:101-150 |
| **Mol wt** | 53288 |
| **Species reactivity** | Human, Mouse |
| **Clonality** | Polyclonal |
| **Recommended application** | WB, IHC-p, IF, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | Dok-3 Antibody |
| **Synonyms** | DOK3; Docking protein 3; Downstream of tyrosine kinase 3 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## Background

Dok-1, Dok-2 and Dok-3 are members of a class of "docking" proteins which contain multiple tyrosine residues and putative SH2 binding sites. Dok-1 associates with the Ras GTPase activating protein (Ras GAP) upon tyrosine phosphorylation. Dok-2 (also designated p56 Dok) has also been identified as a potential mediator of the effects of p210 Bcr-Abl. Dok-3 is an adapter involved in the recruitment of inhibitory molecules and is highly expressed in B cells and macrophages. Immunoreceptor-mediated cellular activation induces tyrosine phosphorylation of Dok-3. Upon phosphorylation, Dok-3 binds to 5' inositol phosphatase SHIP and the protein tyrosine kinase Csk. Dok-3 may play a significant role in the negative regulation of immunoreceptor signaling in hemopoietic cells.

## Recommended Dilution

WB: 1: 500 - 1: 2000

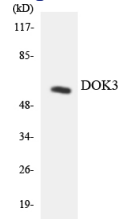
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

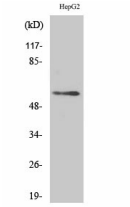
ELISA: 1: 20000

Not yet tested in other applications.

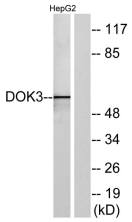
## Images




Western blot analysis of the lysates from K562 cells using DOK3 antibody.




Western Blot analysis of various cells using Dok-3 Polyclonal Antibody




Western blot analysis of lysates from HepG2 cells, using DOK3 Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com