

Datasheet for ABIN7150132
anti-DDIT3 antibody (AA 1-169)[Go to Product page](#)

4 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | DDIT3 |
| Binding Specificity: | AA 1-169 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DDIT3 antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human DNA damage-inducible transcript 3 protein (1-169AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | DDIT3 |
| Alternative Name: | DDIT3 (DDIT3 Products) |
| Background: | Background: Multifunctional transcription factor in ER stress response. Plays an essential role in the response to a wide variety of cell stresses and induces cell cycle arrest and apoptosis in |

Target Details

response to ER stress. Plays a dual role both as an inhibitor of CCAAT/enhancer-binding protein (C/EBP) function and as an activator of other genes. Acts as a dominant-negative regulator of C/EBP-induced transcription: dimerizes with members of the C/EBP family, impairs their association with C/EBP binding sites in the promoter regions, and inhibits the expression of C/EBP regulated genes. Positively regulates the transcription of TRIB3, IL6, IL8, IL23, TNFRSF10B/DR5, PPP1R15A/GADD34, BBC3/PUMA, BCL2L11/BIM and ERO1L. Negatively regulates, expression of BCL2 and MYOD1, ATF4-dependent transcriptional activation of asparagine synthetase (ASNS), CEBPA-dependent transcriptional activation of hepcidin (HAMP) and CEBPB-mediated expression of peroxisome proliferator-activated receptor gamma (PPARG). Inhibits the canonical Wnt signaling pathway by binding to TCF7L2/TCF4, impairing its DNA-binding properties and repressing its transcriptional activity. Plays a regulatory role in the inflammatory response through the induction of caspase-11 (CASP4/CASP11) which induces the activation of caspase-1 (CASP1) and both these caspases increase the activation of pro-IL1B to mature IL1B which is involved in the inflammatory response.

Aliases: C/EBP homologous protein antibody, C/EBP Homology Protein antibody, C/EBP zeta antibody, C/EBP-homologous protein 10 antibody, C/EBP-homologous protein antibody, CCAAT/enhancer binding protein homologous protein antibody, CEBPZ antibody, CHOP 10 antibody, CHOP antibody, CHOP-10 antibody, CHOP10 antibody, DDIT 3 antibody, DDIT-3 antibody, Ddit3 antibody, DDIT3_HUMAN antibody, DNA Damage Inducible Transcript 3 antibody, DNA damage-inducible transcript 3 protein antibody, GADD 153 antibody, GADD153 antibody, Growth Arrest and DNA Damage Inducible Protein 153 antibody, Growth arrest and DNA damage inducible protein GADD153 antibody, Growth arrest and DNA damage-inducible protein GADD153 antibody, MGC4154 antibody

UniProt: [P35638](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [ER-Nucleus Signaling](#), [Skeletal Muscle Fiber Development](#), [Cell RedoxHomeostasis](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

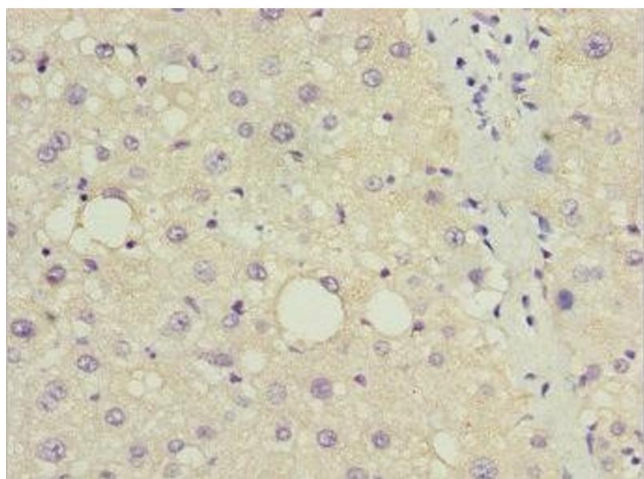
Handling

Format: Liquid

Handling

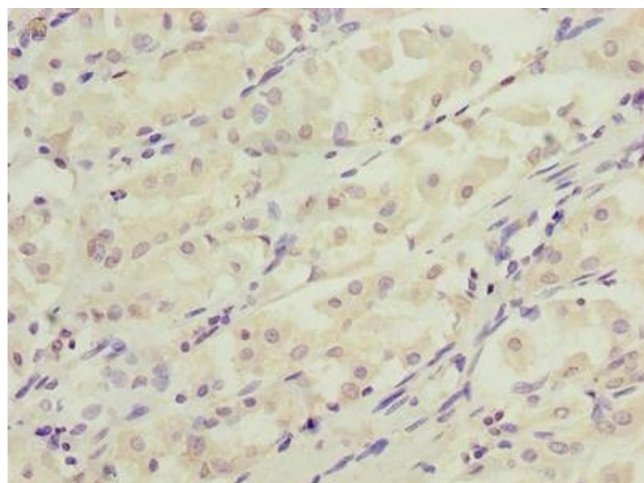
| | |
|--------------------|---|
| Buffer: | Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |

Images



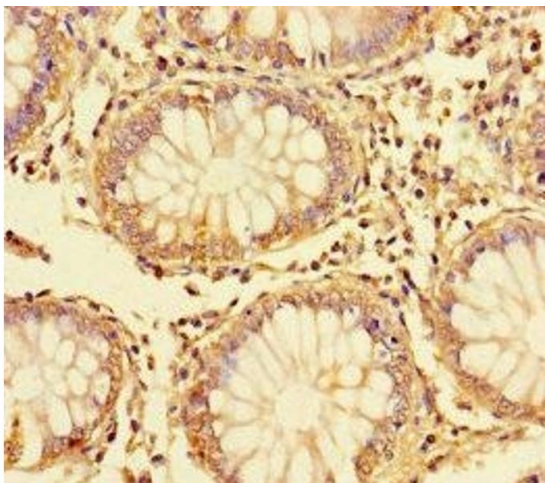
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver cancer using ABIN7150132 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human gastric cancer using ABIN7150132 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7150132 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7150132.