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Datasheet for ABIN5000700

anti-CTRP5 antibody (AA 191-243) (Alexa Fluor 750)

Overview

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| Quantity: | 100 µL |
| Target: | CTRP5 (C1QTNF5) |
| Binding Specificity: | AA 191-243 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CTRP5 antibody is conjugated to Alexa Fluor 750 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human CTRP5 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Predicted Reactivity: | Human,Rat,Dog,Cow,Pig,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | CTRP5 (C1QTNF5) |
| Alternative Name: | CTRP5 (C1QTNF5 Products) |

Target Details

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| Background: | <p>Synonyms: C1q and tumor necrosis factor related protein 5, C1QTNF5, Complement C1q tumor necrosis factor related protein 5 precursor, LORD, C1QT5_HUMAN.</p> <p>Background: Members of the C1q superfamily have diverse functions that are related to cell adhesion and basement membrane components. CTRP5 (Complement C1q tumor necrosis factor-related protein 5) is a 243 amino acid secreted and membrane-associated protein that contains a collagen-like domain and a C1q domain. CTRP5 is a short-chain collagen that is expressed in retinal pigment epithelium as well as brain, lung, liver and placenta. By forming an extracellular hexagonal lattice, CTRP5 facilitates the adhesion of basal retinal pigment epithelium to Bruch's membrane, the innermost layer of the choroid. A mutation within the C1q domain of CTRP5 results in abnormal high molecular weight aggregate formation, which alters its structure and interactions. This mutation may result in the presentation of late-onset retinal degeneration (LORD), an autosomal dominant disorder that is characterized by punctate yellow-white deposits in the retinal fundus and night blindness.</p> |
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| Gene ID: | 114902 |
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| UniProt: | Q9BXJ0 |
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Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Concentration: | 1 µg/µL |
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| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
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| Preservative: | ProClin |
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| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
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| Storage: | -20 °C |
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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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Handling

Expiry Date: 12 months