

Datasheet for ABIN2787771

anti-FN3KRP antibody (N-Term)



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1 Image

1 Publication

Overview

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| Quantity: | 100 µL |
| Target: | FN3KRP |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Rabbit, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FN3KRP antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human FN3KRP |
| Sequence: | MDPGDPAGDP AAGERHRMGR DPLLLLQALQ TLWSTRERKQ LREEAWRGFA |
| Predicted Reactivity: | Cow: 86%, Dog: 86%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 86%, Rabbit: 86%, Rat: 93%, Zebrafish: 79% |
| Characteristics: | This is a rabbit polyclonal antibody against FN3KRP. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | FN3KRP |
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Target Details

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| Alternative Name: | FN3KRP (FN3KRP Products) |
| Background: | <p>FN3KRP phosphorylates psicosamines and ribulosamines, but not fructosamines, on the third carbon of the sugar moiety. Protein-bound psicosamine 3-phosphates and ribulosamine 3-phosphates are unstable and decompose under physiological conditions. Thus phosphorylation leads to deglycation.FN3KRP and FN3K (MIM 608425) protect proteins from nonenzymatic glycation by phosphorylating the modified amino acid. This phosphorylation destabilizes the sugar-amine linkage and leads to spontaneous decomposition (Conner et al., 2004 [PubMed 15381090]).[supplied by OMIM].</p> <p>Alias Symbols: FLJ12171, FN3KL</p> <p>Protein Interaction Partner: APP, CUL3, CUL4B, UBC, USP43,</p> <p>Protein Size: 309</p> |
| Molecular Weight: | 34 kDa |
| Gene ID: | 79672 |
| NCBI Accession: | NM_024619 , NP_078895 |
| UniProt: | Q9HA64 |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 309 AA |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |

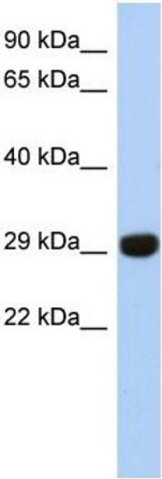
Handling

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| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Publications

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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product cited in: | Chiquet, Blanton, Burt, Ma, Stal, Mulliken, Hecht: "Variation in WNT genes is associated with non-syndromic cleft lip with or without cleft palate." in: Human molecular genetics , Vol. 17, Issue 14, pp. 2212-8, (2008) (PubMed). |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Images



Western Blotting

Image 1. WB Suggested Anti-FN3KRP Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate FN3KRP is supported by BioGPS gene expression data to be expressed in Jurkat