

Product Datasheet

Asporin Antibody NB100-1514

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-1514

Asporin Antibody

| Product Information | |
|-------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |
| Target Molecular Weight | 43 kDa |

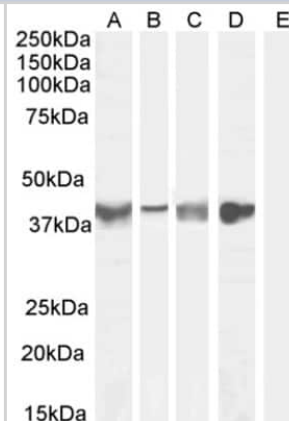
| Product Description | |
|---------------------|--|
| Host | Goat |
| Gene ID | 54829 |
| Gene Symbol | ASPN |
| Species | Human, Mouse, Rat |
| Immunogen | Peptide with sequence C-IHENKVKKIQKDT corresponding to internal region according to NP_060150.3. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Peptide ELISA |
| Recommended Dilutions | Western Blot 0.1-1 ug/ml, ELISA 1:100 - 1:2000, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA detection limit 1:64000 |

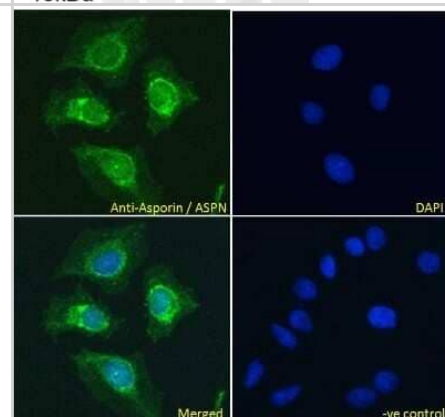


Images

Western Blot: Asporin Antibody [NB100-1514] - (0.1ug/ml) staining of Human Tonsil (A), (0.3ug/ml) Human Uterus (B), Mouse Skeletal Muscle (C) (1ug/ml) Rat Skeletal Muscle (D) and negative control Human Cerebellum (E) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: Asporin Antibody [NB100-1514] - analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear membrane staining. The nuclear stain is DA



Publications

Medzikovic L, Aryan L, Ruffenach G et al. Myocardial fibrosis and calcification are attenuated by microRNA-129-5p targeting Asporin and Sox9 in cardiac fibroblasts JCI insight 2023-05-08 [PMID: 37154157] (IHC, Human)

Bala K, Cuellar A, Herren AW, Boyadjiev SA Identification of differentially expressed proteins between fused and open sutures in sagittal nonsyndromic craniosynostosis during suture development by quantitative proteomic analysis Proteomics. Clinical applications 2021-02-13 [PMID: 33580899]

Kizawa H, Kou I, Iida A et al. An aspartic acid repeat polymorphism in asporin inhibits chondrogenesis and increases susceptibility to osteoarthritis. Nat Genet 2005-02-01 [PMID: 15640800]

Yang L, Nyalwidhe JO, Guo S et al. Targeted identification of metastasis-associated cell-surface sialoglycoproteins in prostate cancer. Mol Cell Proteomics. 2011-06-01 [PMID: 21447706]



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Products Related to NB100-1514

| | |
|-----------------|--|
| NB100-1514PEP | Asporin Peptide |
| HAF017 | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109 | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat IgG Isotype Control |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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