# Product Datasheet

## Kv3.4 Antibody (S72-16)
## NBP1-47609

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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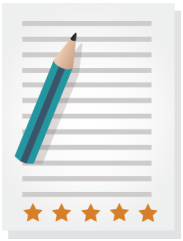


# NBP1-47609

Kv3.4 Antibody (S72-16)

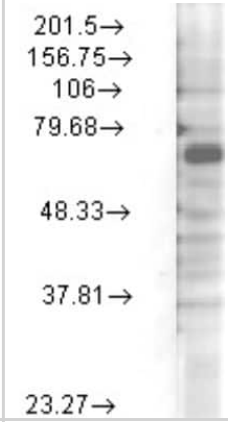
| Product Information | |
|---|---|
| **Unit Size** | 0.1 mg |
| **Concentration** | 1 mg/ml |
| **Storage** | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| **Clonality** | Monoclonal |
| **Clone** | S72-16 |
| **Preservative** | 0.09% Sodium Azide |
| **Isotype** | IgG1 |
| **Purity** | Protein G purified |
| **Buffer** | PBS (pH 7.4), 50% Glycerol |

| Product Description | |
|---|---|
| **Host** | Mouse |
| **Gene ID** | 3749 |
| **Gene Symbol** | KCNC4 |
| **Species** | Human, Mouse, Rat |
| **Specificity/Sensitivity** | Detects approx 70kDa (100kDa in brain due to glycosylation). |
| **Immunogen** | Synthetic peptide amino acids 175-192 of rat Kv3.4 |

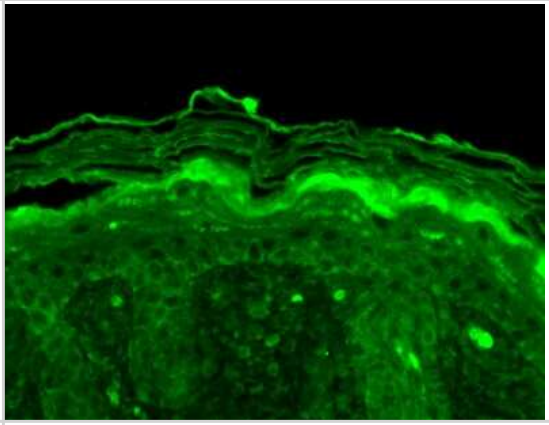
| Product Application Details | |
|---|---|
| **Applications** | Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray |
| **Recommended Dilutions** | Western Blot 1-10 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 0.1-1.0 ug/ml, Microarray |
| **Application Notes** | 1 ug/ml of Kv3.4 Antibody was sufficient for detection of Kv3.4 in 10 ug of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary Antibody. |

## Images

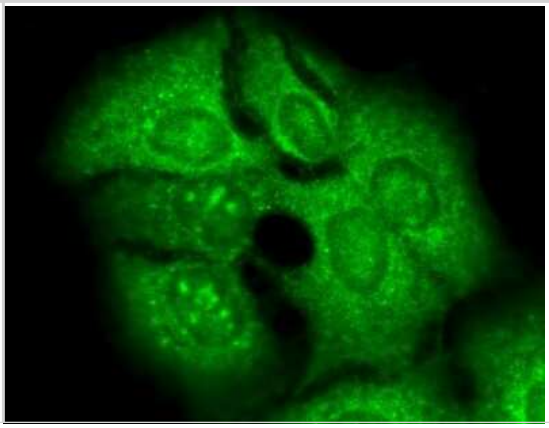
Western Blot: Kv3.4 Antibody (S72-16) [NBP1-47609] - analysis of Rat brain membrane lysate showing detection of Kv3.4 Potassium Channel protein using Mouse Anti-Kv3.4 Potassium Channel Monoclonal Antibody, Clone S72-16 . Load: 15 ug protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Kv3.4 Potassium Channel Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.




Immunohistochemistry-Paraffin: Kv3.4 Antibody (S72-16) [NBP1-47609] - Tissue: backskin. Species: Mouse. Fixation: Bouins Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Kv3.4 Potassium Channel Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Hints of filaggrinlike staining.



Immunohistochemistry-Paraffin: Kv3.4 Antibody (S72-16) [NBP1-47609] - Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20C. Primary Antibody: Mouse Anti-Kv3.4 Potassium Channel Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: All cells positive, stains nucleoli .



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**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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