

# Product Datasheet

## ASAP1 [p Tyr782] Antibody - BSA Free NBP1-77933

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP1-77933**

ASAP1 [p Tyr782] Antibody - BSA Free

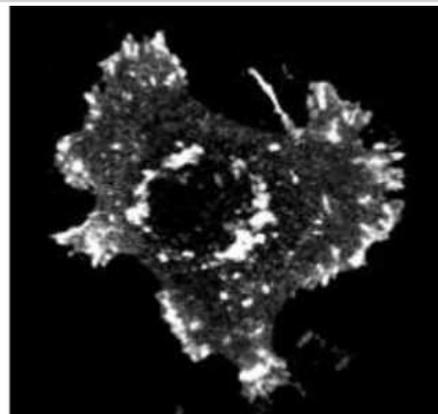
| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 mg   |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                     | Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.   |
| Clonality                   | Polyclonal   |
| Preservative                | 0.01% Sodium Azide   |
| Isotype                     | IgG  |
| Purity                      | Immunogen affinity purified  |
| Buffer                      | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2   |
| Product Description         |  |
| Description                 | <p>This affinity-purified antibody is directed against the phosphorylated form of mouse ASAP1 protein at the [p Tyr782] residue. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross-adsorbed against the non-phosphorylated form of the immunizing peptide</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> |
| Host                        | Rabbit   |
| Gene ID                     | 50807  |
| Gene Symbol                 | ASAP1  |
| Species                     | Human, Mouse   |
| Reactivity Notes            | A BLAST analysis was used to suggest cross reactivity with ASAP1 proteins from human, chicken, bovine, dog, rat and chimpanzee based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.   |
| Specificity/Sensitivity     | This affinity-purified antibody is directed against the phosphorylated form of mouse ASAP1 protein at the pY782 residue. The resultant affinity purified antibody was then cross-adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against mouse ASAP1 pY782 protein and the antibody is specific for the phosphorylated form of the protein. Reactivity with non-phosphorylated mouse ASAP1 is minimal by ELISA. A BLAST analysis was used to suggest cross reactivity with ASAP1 proteins from human, chicken, bovine, dog, rat and chimpanzee based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.   |
| Immunogen                   | This affinity purified ASAP1 [p Tyr782] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 775-800 of mouse ASAP1 protein. (Uniprot: Q9QWY8)   |
| Product Application Details |  |



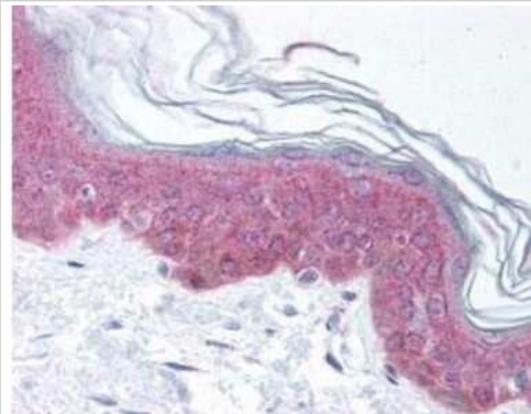
|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:2000, ELISA 1:4000-1:16000, Immunohistochemistry 20-40 ug/ml, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 20 ug/ml, Immunohistochemistry-Frozen   |
| <b>Application Notes</b>     | This affinity purified antibody has been tested for use in ELISA, immunohistochemistry, IF microscopy and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 130 kDa in size corresponding to phosphorylated ASAP1 protein by western blotting in the appropriate cell lysate or extract. Less than 2.5% reactivity is observed against the non-phosphorylated form of the immunizing peptide. This antibody is phospho specific for pY782 of ASAP1 protein. |

## Images

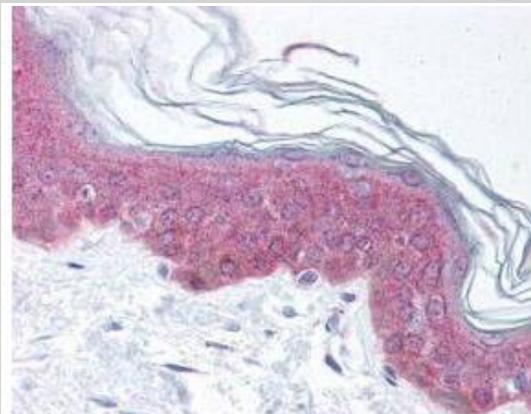
Immunocytochemistry/Immunofluorescence: ASAP1 [p Tyr782] Antibody [NBP1-77933] - Analysis of phosphorylated ASAP1 present in mouse NIH3T3 cells transfected with activated Src. Specific staining is not present when antibody is pre-incubated with the immunizing peptide prior to reaction with cells.



Immunohistochemistry: ASAP1 [p Tyr782] Antibody [NBP1-77933] - Used at 20 g/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate intracellular positive staining in epidermal keratinocytes in human skin at 40X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, LifeSpanBiosciences, Seattle, WA.



affinity purified anti-ASAP1 pY782 antibody was used at 20 ug/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate intracellular positive staining in epidermal keratinocytes in human skin at 40X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, LifeSpan Biosciences, Seattle, WA.





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### Products Related to NBP1-77933

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|               |   |
|---------------|---|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP2-48519PEP | ASAP1 Recombinant Protein Antigen                   |

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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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