

# Product Datasheet

## **BACE-1 Antibody - BSA Free NBP1-77307**

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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**NBP1-77307**

BACE-1 Antibody - BSA Free

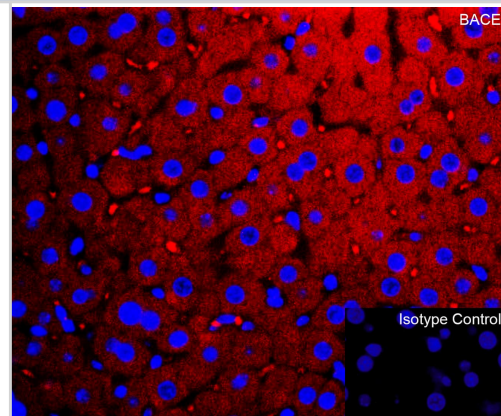
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	55 kDa

Product Description	
Host	Rabbit
Gene ID	23621
Gene Symbol	BACE1
Species	Human, Mouse
Specificity/Sensitivity	Human BACE-1 has 6 isoforms, including isoform A (501aa, 55.8kD), isoform B (476aa, 52.9kD), isoform C (457aa, 51.1kD), isoform D (432aa, 48.2kD), isoform 5 (401aa, 45kD) and isoform 6 (376aa, 42.2kD). This antibody detects all human isoforms. Mouse BACE-1 has only 1 isoform (501aa, 55.7kD). Rat BACE-1 has only one isoform identified so far (501aa, 55.8kD).
Immunogen	Antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human BACE. The immunogen is located within the last 50 amino acids of BACE. Amino Acid Sequence: CLRQQHDDFADDISLL

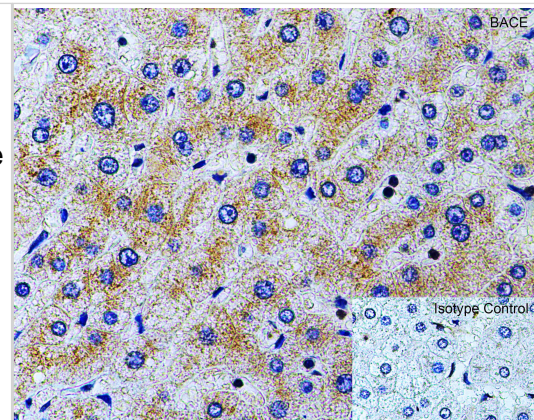
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/mL, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml

**Images**

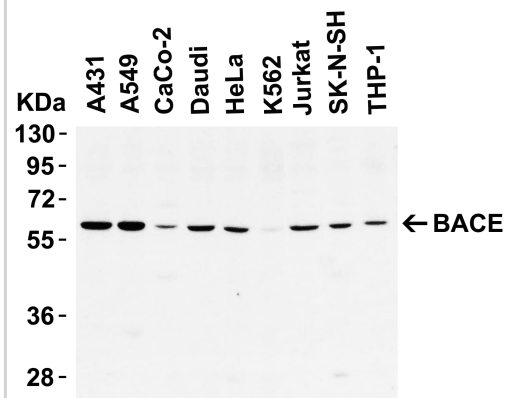
Immunohistochemistry: Rabbit Polyclonal BACE-1 Antibody [NBP1-77307] - Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse liver tissue labeling BACE with 2253 at 10 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



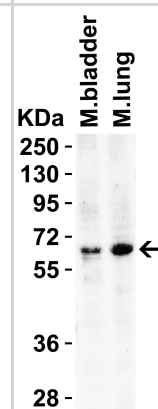
**Immunohistochemistry Validation of BACE in Human Liver.**  
 Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-BACE antibody at 2 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



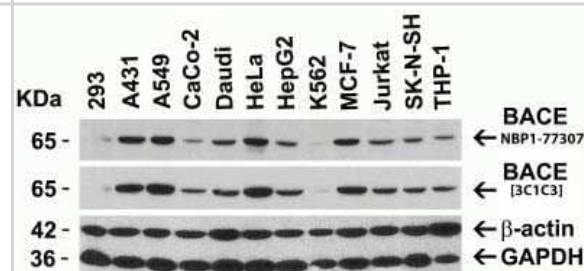
**WB Validation in Human Cell Lines.** Loading: 10 ug of lysate Antibodies: BACE 1 ug/mL, 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



**WB Validation in Mouse Tissues.** Loading: 15 ug of lysate Antibodies: BACE, 2 ug/mL, 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



**Western Blot: BACE-1 Antibody [NBP1-77307] - IAV via Protein Expression Profile in Cell Lines.** Antibodies: BACE, beta-actin, and GAPDH. Secondary: Goat anti-rabbit IgG HRP conjugate.





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### **Products Related to NBP1-77307**

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NBP1-77307PEP	BACE-1 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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