

# Product Datasheet

## **Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody - BSA Free NBP2-82107**

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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**NBP2-82107**

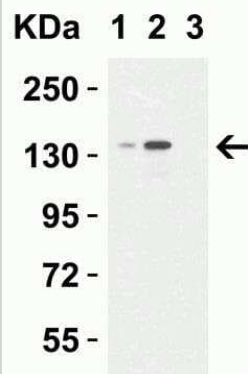
Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody - BSA Free

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	180 kDa
Product Description	
Host	Rabbit
Gene ID	23135
Gene Symbol	KDM6B
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody is specific for Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 and will not recognize other JMJD proteins. Human Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 has 2 isoforms, including isoform 1 (1682aa, 181kD) and isoform 2 (1643aa, 177kD). Mouse Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 has one isoform (1641aa, 176kD) and rat Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 also has one isoform (1356aa, 146kD). NBP2-82107 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of human Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3. The immunogen is located within amino acids 1370-1420 of Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3. Amino Acid Sequence: KVPGSRTPGHQENNF
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunocytochemistry
Recommended Dilutions	Western Blot 0.25-4 ug/mL, ELISA, Immunocytochemistry/Immunofluorescence 2.5-20 ug/mL, Immunocytochemistry 2.5 ug/mL

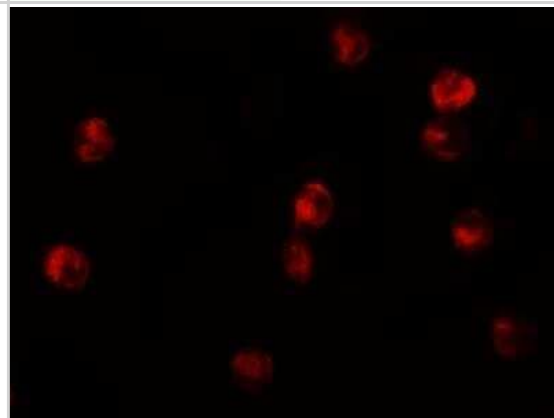


## Images

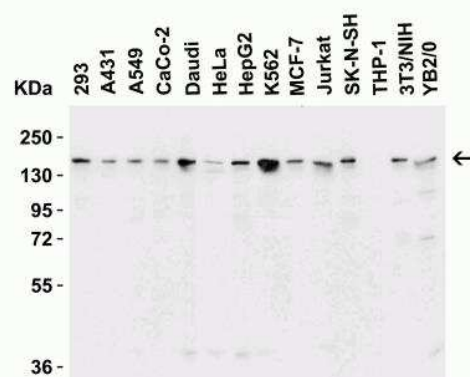
Western Blot: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Western Blot Validation in HepG2 Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3, NBP2-82107, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: 0.25 ug/mL Lane 2: 0.5 ug/mL Lane 3: 0.25 ug/mL with blocking peptide



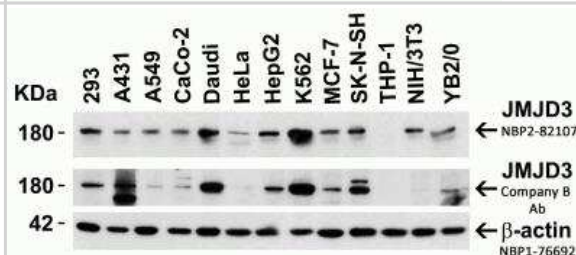
Immunocytochemistry/Immunofluorescence: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Immunofluorescence Validation of JMJD3 in K562 Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed K562 cells labeling Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 with NBP2-82107 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



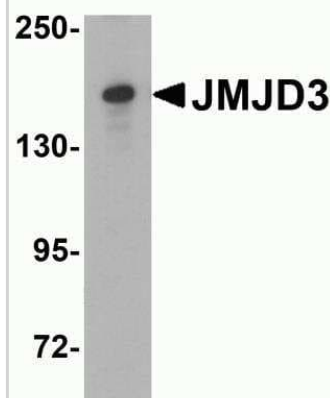
Western Blot: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Western Blot Validation in Human, Mouse, and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 [NBP2-82107], (1 ug/ml), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



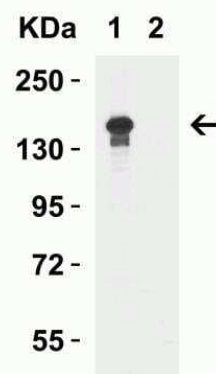
Western Blot: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 NBP2-82107 (1 ug/mL), JMJD3 from Company B, (2 ug/mL) and beta-actin NBP1-76692 (1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



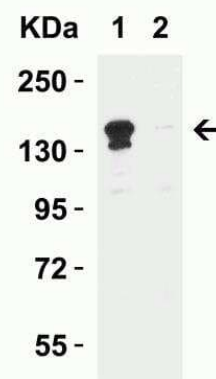
Western Blot: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Western Blot Validation in HeLa Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3, NBP2-82107 (0.25 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



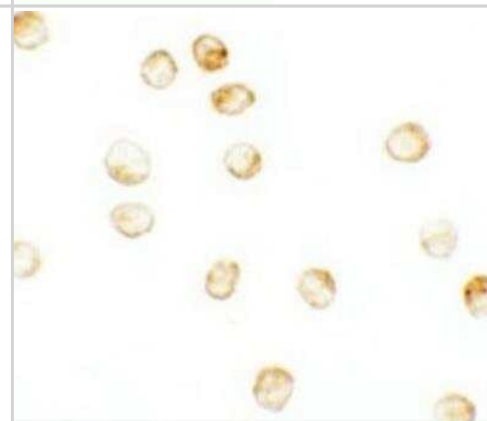
Western Blot: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Western Blot Validation in K562 Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3, NBP2-82107 (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: in the absence and Lane 2: in the presence of blocking peptide.



Western Blot: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Western Blot Validation in Mouse A-20 Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3, NBP2-82107 (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: in the absence and Lane 2: in the presence of blocking peptide.



Immunocytochemistry/Immunofluorescence: Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody [NBP2-82107] - Immunocytochemistry Validation of JMJD3 in K562 Cells. Immunocytochemical analysis of K562 cells using Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 antibody (NBP2-82107) at 2.5 ug/ml. Cells were 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.





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### **Products Related to NBP2-82107**

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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
NBP1-06640PEP	Lysine (K)-specific Demethylase 6B/KDM6B/JMJD3 Antibody Blocking Peptide

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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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