

# Product Datasheet

## Smad4 Knockout HeLa Cell Lysate NBP2-77149

Unit Size: 2 Vials

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

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**NBP2-77149****Smad4 Knockout HeLa Cell Lysate****Product Information**

<b>Unit Size</b>	2 Vials
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Reconstitution Instructions</b>	To use as WB negative control, spin down briefly and resuspend in 100 uL 1xSDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Boil the lysate for 3 - 5 minutes before loading it onto gel.
<b>Buffer</b>	0.1 mg cell homogenate lyophilized in RIPA buffer made with double-knockout cell lines.

**Product Description**

<b>Gene ID</b>	4089
<b>Gene Symbol</b>	SMAD4
<b>Species</b>	Human
<b>Preparation Method</b>	Knockout achieved by using CRISPR/Cas9
<b>Notes</b>	Powered by EDIGENE. Validation of antibody specificity is critical and verification of antibody performance against knockout samples is one way to guarantee that an antibody recognizes a specific target. Novus' KO cell lysate can be used as a negative control for western blots and to confirm the specificity of antibodies.
<b>Lysate Type</b>	Knockout HeLa Cell

**Product Application Details**

<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	You will receive 1 vial (100ug) of knockout cell lysate and 1 vial (100ug) of Parental cell lysate. Lysate can be diluted with 1X SDS sample buffer and will be stable at -20 degrees C for 12 months. Minimize freeze-thaw cycles.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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