

**HDBP1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1422c**

**Specification**

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**HDBP1 Antibody (Center) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O9NR83</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>41267</b>
Antigen Region	<b>213-242</b>

**HDBP1 Antibody (Center) - Additional Information**

**Gene ID** 56731

**Other Names**

SLC2A4 regulator, GLUT4 enhancer factor, GEF, Huntington disease gene regulatory region-binding protein 1, HDBP-1, SLC2A4RG, HDBP1

**Target/Specificity**

This HDBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-242 amino acids from the Central region of human HDBP1.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HDBP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**HDBP1 Antibody (Center) - Protein Information**

**Name** SLC2A4RG

**Synonyms** HDBP1

**Function** Transcription factor involved in SLC2A4 and HD gene transactivation. Binds to the consensus sequence 5'-GCCGGCG-3'.

**Cellular Location**

Cytoplasm. Nucleus. Note=Shuttles between the cytoplasm and the nucleus

**Tissue Location**

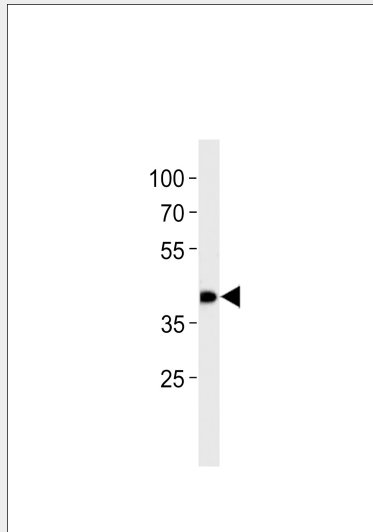
According to PubMed:14630949, expressed in heart, skeletal muscle, liver, kidney and pancreas; undetectable in lung, placenta or brain. According to PubMed:14625278, ubiquitously expressed, with lowest expression in brain and ileum

**HDBP1 Antibody (Center) - Protocols**

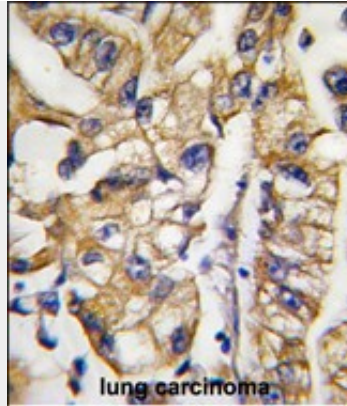
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HDBP1 Antibody (Center) - Images**



HDBP1 Antibody (Center) (Cat. #AP1422c) western blot analysis in SW620 cell line lysates (35ug/lane). This demonstrates the HDBP1 antibody detected the HDBP1 protein (arrow).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with HDBP1 Antibody (Center) (Cat.#AP1422c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **HDBP1 Antibody (Center) - Background**

THDBP1 is a nuclear transcription factor involved in the activation of the solute carrier family 2 member 4 gene. This protein interacts with another transcription factor, myocyte enhancer factor 2, to activate transcription of this gene.

#### **HDBP1 Antibody (Center) - References**

Jones, M.R., Fertil. Steril. (2008)  
McGee, S.L., FASEB J. 20 (2), 348-349 (2006)  
Tanaka, K., J. Biol. Chem. 279 (8), 7275-7286 (2004)

#### **HDBP1 Antibody (Center) - Citations**

- [Shuttling SLC2A4RG is regulated by 14-3-3θ to modulate cell survival via caspase-3 and caspase-6 in human glioma.](#)