

STEAP1 / STEAP Antibody (aa1-70, clone J2D2)
Mouse Monoclonal Antibody
Catalog # ALS12605**Specification**

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) - Product Information

Application	IHC, IF
Primary Accession	Q9UHE8
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	40kDa KDa

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) - Additional Information**Gene ID** 26872**Other Names**

Metalloreductase STEAP1, 1.16.1.-, Six-transmembrane epithelial antigen of prostate 1, STEAP1, PRSS24, STEAP

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) is for research use only and not for use in diagnostic or therapeutic procedures.

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) - Protein Information**Name** STEAP1**Synonyms** PRSS24, STEAP**Function**

Does not function as a metalloreductase due to the absence of binding sites for the electron-donating substrate NADPH. Promotes Fe(3+) reduction when fused to the NADPH-binding domain of STEAP4.

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q9CWR7}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location

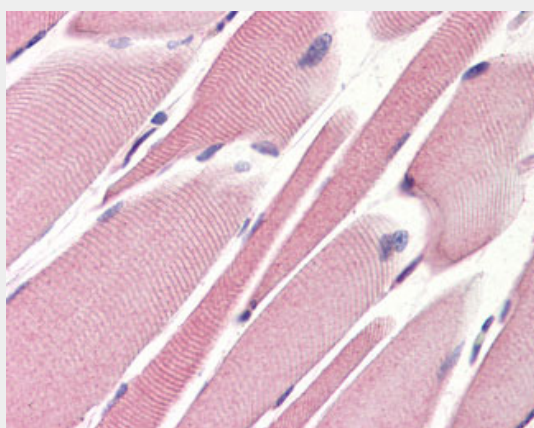
Ubiquitously expressed. Highly expressed in prostate tumors.

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) - Protocols

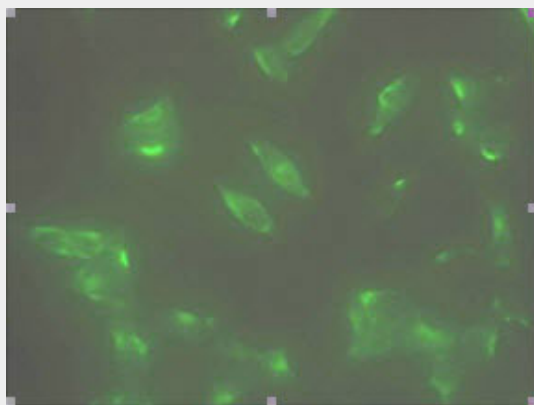
Provided below are standard protocols that you may find useful for product applications.

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

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) - Images



Anti-STEAP1 antibody IHC of human skeletal muscle.



Immunofluorescence staining of human LNCap cell colony with monoclonal antihuman STEAP1 antibody

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) - Background

Metalloreductase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+). Uses NAD(+) as acceptor (By similarity).

STEAP1 / STEAP Antibody (aa1-70, clone J2D2) - References

Hubert R.S., et al. Proc. Natl. Acad. Sci. U.S.A. 96:14523-14528(1999).
Hillier L.W., et al. Nature 424:157-164(2003).

Scherer S.W.,et al.Science 300:767-772(2003).
Ohgami R.S.,et al.Blood 108:1388-1394(2006).