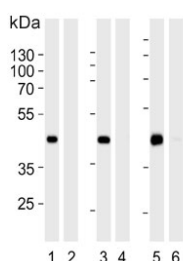


## STEA2 Antibody (F54829)

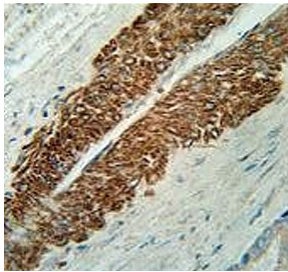
Catalog No.	Formulation	Size
F54829-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54829-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

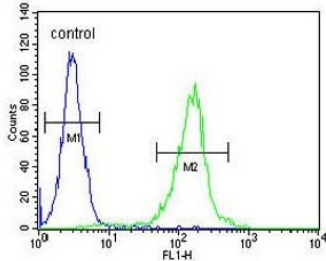
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	Q8NFT2
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1:500-1:1000 Flow Cytometry : 1:10-1:50 (1x10 <sup>6</sup> cells) Immunohistochemistry (FFPE) : 1:50-1:100
<b>Limitations</b>	This STEA2 antibody is available for research use only.



Western blot testing of human HEK293 cell lysate in the 1) absence and 2) presence of immunizing peptide, human HepG2 cell lysate in the 3) absence and 4) presence of immunizing peptide, and mouse spleen tissue lysate in the 5) absence and 6) presence of immunizing peptide with STEA2 antibody. Predicted molecular weight: 48-56 kDa (3 isoforms).



IHC testing of FFPE human prostate carcinoma tissue with STEA2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HEK293 cells with STEA2 antibody; Blue=isotype control, Green= STEA2 antibody.

## Description

This gene is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the STEA2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 229-258 from the human protein was used as the immunogen for the STEA2 antibody.

## Storage

Aliquot the STEA2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.