

# Product Datasheet

## HMCEs Antibody - BSA Free

### NBP2-14410

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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#### Publications: 1

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Updated 2/23/2025 v.20.1

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**NBP2-14410**

HMCES Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

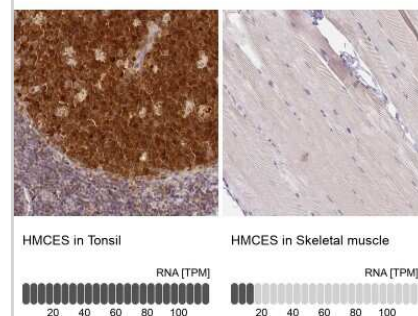
<b>Host</b>	Rabbit
<b>Gene ID</b>	56941
<b>Gene Symbol</b>	HMCES
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (87%) Rat (88%)
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to the amino acids: WRLTLMAGIFDCWEPPEGGDVLYSYTIITVDCKGLSDIHHRMPAILDGEEAVS KWLDGFGEVSTQEALKLIHPTENITFAVSSVVNNS

**Product Application Details**

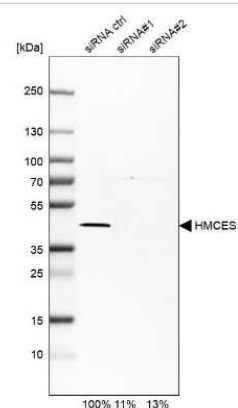
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

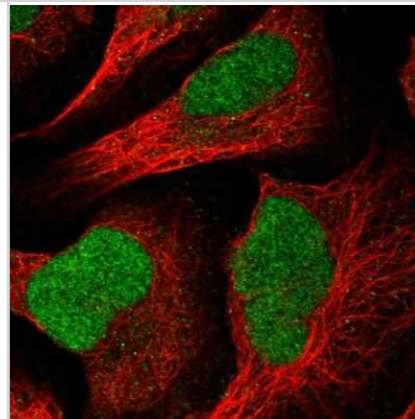
Immunohistochemistry-Paraffin: HMCES Antibody [NBP2-14410] - Staining in human tonsil and skeletal muscle tissues using NBP2-14410 antibody. Corresponding HMCES RNA-seq data are presented for the same tissues.



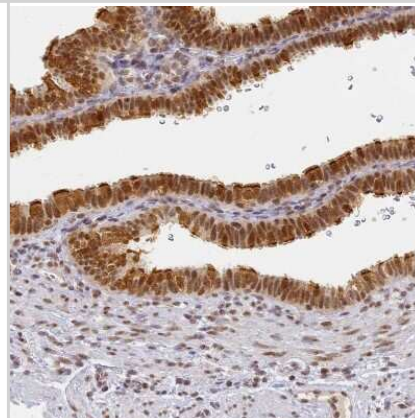
Western Blot: HMCES Antibody [NBP2-14410] - Analysis in MCF-7 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-HMCES antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



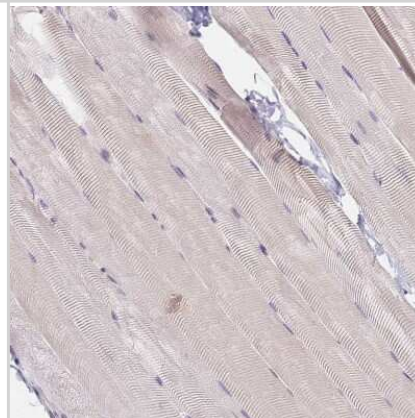
Immunocytochemistry/Immunofluorescence: HMCES Antibody [NBP2-14410] - Staining of human cell line U-2 OS shows localization to nucleus. Antibody staining is shown in green.



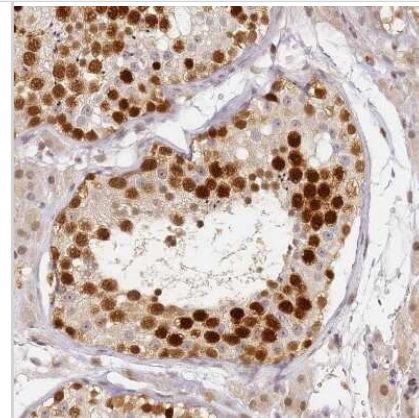
Immunohistochemistry-Paraffin: HMCES Antibody [NBP2-14410] - Staining of human Fallopian tube shows strong nuclear positivity in glandular cells.



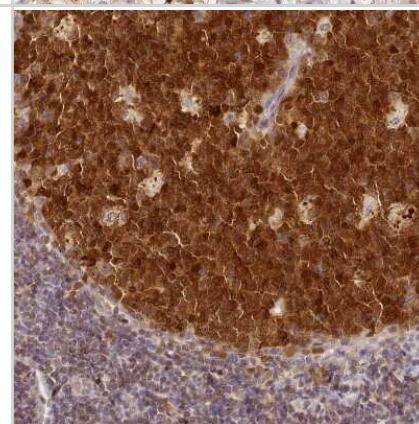
Immunohistochemistry-Paraffin: HMCES Antibody [NBP2-14410] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: HMCES Antibody [NBP2-14410] - Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



Immunohistochemistry-Paraffin: HMCES Antibody [NBP2-14410] - Staining of human tonsil shows strong nuclear positivity in germinal center cells.



## Publications

Miyoshi T, Makino T, Moran JV Poly(ADP-Ribose) Polymerase 2 Recruits Replication Protein A to Sites of LINE-1 Integration to Facilitate Retrotransposition Mol. Cell 2019-08-13 [PMID: 31473101]



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### **Products Related to NBP2-14410**

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NBP2-14410PEP	HMCES Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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