Histone deacetylase 8 Polyclonal Antibody

Catalog No: #42203

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

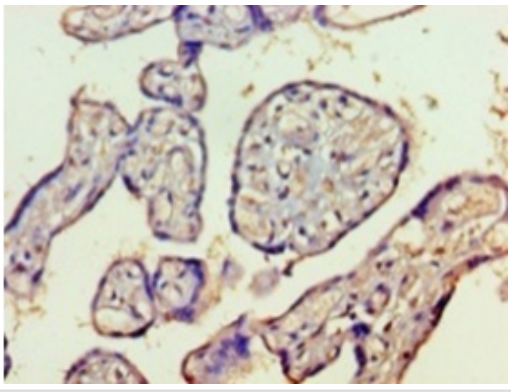
Description

Product Name	Histone deacetylase 8 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Histone deacetylase 8 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Histone deacetylase 8 proteinB£B¨1-377aaB£B©
Target Name	Histone deacetylase 8
Other Names	HDAC8, HDACL1, CDA07
Accession No.	Swiss-Prot#: Q9BY41
Uniprot	Q9BY41
GeneID	55869;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

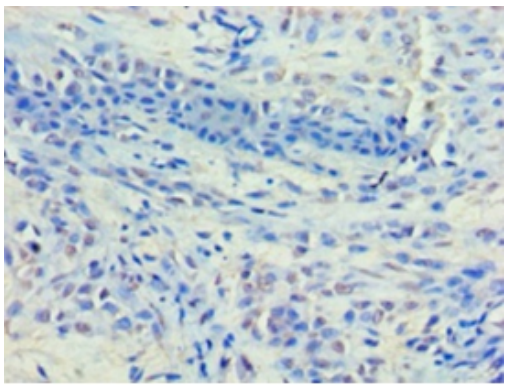
Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human placenta tissue using #42203 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human breast cancer using #42203 at dilution of 1:100.

Background

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin. May play a role in smooth muscle cell contractility.

References

[1]"Structural studies of human histone deacetylase 8 and its site-specific variants complexed with substrate and inhibitors." Dowling D.P., Gantt S.L., Gattis S.G., Fierke C.A., Christianson D.W.Biochemistry 47:13554-13563(2008) . [2]"Substrate binding to histone deacetylases as shown by the crystal structure of the HDAC8-substrate complex." Vannini A., Volpari C., Gallinari P., Jones P., Mattu M., Carfi A., De Francesco R., Steinkuehler C., Di Marco S. EMBO Rep. 8:879-884(2007). [3]"Structural snapshots of human HDAC8 provide insights into the class I histone deacetylases." Somoza J.R., Skene R.J., Katz B.A., Mol C., Ho J.D., Jennings A.J., Luong C., Arvai A., Buggy J.J., Chi E., Tang J., Sang B.-C., Verner E., Wynands R., Leahy E.M., Dougan D.R., Snell G., Navre M. expand/collapse author list Tari L.W. Structure 12:1325-1334(2004).

Note: This product is for in vitro research use only