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UTY Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9074b

Product Information

Application	WB, IF, E
Primary Accession	O14607
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23114
Calculated MW	149548
Antigen Region	1247-1276

Additional Information

Gene ID	7404
Other Names	Histone demethylase UTY, 11411-, Ubiquitously-transcribed TPR protein on the Y chromosome, Ubiquitously-transcribed Y chromosome tetratricopeptide repeat protein, UTY, KDM6C
Target/Specificity	This UTY antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1247-1276 amino acids from the C-terminal region of human UTY.
Dilution	WB~~1:1000 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	UTY Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UTY
Synonyms	KDM6C
Function	Male-specific histone demethylase that catalyzes trimethylated 'Lys-27'

(H3K27me3) demethylation in histone H3. Has relatively low lysine demethylase activity.

Cellular Location Nucleus.

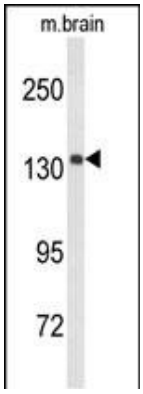
Background

UTY encodes a protein containing tetratricopeptide repeats which are thought to be involved in protein-protein interactions. This protein is a minor histocompatibility antigen which may induce graft rejection of male stem cell grafts.

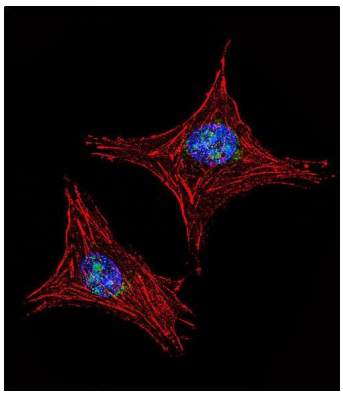
References

Russo,P., et.al., Arterioscler. Thromb. Vasc. Biol. 28 (8), 1569-1574 (2008)
Gerrard,D.T. et.al., Mol. Biol. Evol. 22 (6), 1423-1432 (2005)

Images



Western blot analysis of UTY Antibody (C-term) (Cat. #AP9074b) in mouse brain tissue lysates (35ug/lane). UTY (arrow) was detected using the purified Pab.



Confocal immunofluorescent analysis of UTY Antibody (C-term)(Cat#AP9074b) with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.