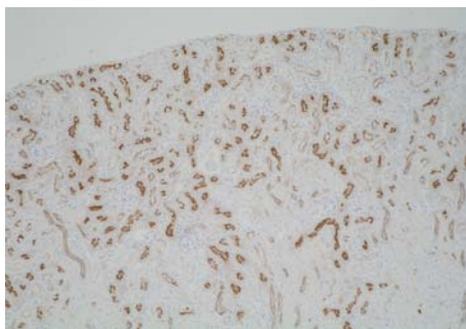




KG403 Anti Mouse Usp11 Polyclonal Antibody		Gene ID	236733
Primary Source	MGI:2384312	Keyword	
Type	Polyclonal	MGC6649; KIAA4085; mKIAA4085; 6230415D12Rik; Usp11 ubiquitin specific peptidase 11	
Immunogen	Partial peptide of Mouse Usp11	Application	
Raised in	Rabbit	WB	Not tested
Myeloma	-	IHC	5.0-10 µg/mL
Clone number	-	ICC	Not tested
Isotype	-	ELISA	Not tested
Source	Rabbit serum	FCM	Not tested
Purification notes	Antigen Affinity	Neutralization	Not tested
Cross Reactivity	Not yet tested in other species.	IP	Not tested
Concentration	0.25 mg/mL		
Contents (Volume)	25 µg (100 µL/vial)		
Label	Unlabeled		
Buffer	PBS [containing 2 % Block Ace as a stabilizer, 0.1 %Proclin as a bacteriostat]		
Storage	Store below -20 °C. Once thawed, store at 4 °C. Repeated freeze-thaw cycles should be avoided.		

Immunohistochemistry



Sample : Mouse kidney (paraffin section)



Sample : Mouse epididymis (paraffin section)

Note

Usp11 (ubiquitin specific peptidase 11) possesses Cys box, His box, Asp and KRF domains, which are highly conserved in many ubiquitin-specific proteases. Usp11 is a ubiquitous protein in various tissues and is primarily localized in the nucleus of non-dividing cells. Usp11 binds specifically to RanBPM which is a RanGTP-binding protein required for correct nucleation of microtubules and inhibits its ubiquitination and degradation. It has been also shown that Usp11 is involved in regulation of the TNF α -induced IKK α \rightarrow p53 signaling pathway and that Usp11 functions in stabilizing HPV-16E7 by reducing ubiquitination and attenuating E7 degradation.

Note

Usp11 (ubiquitin specific peptidase 11) は多くのユビキチン特異的プロテアーゼ同様、Cys box、His box、Asp 及び KRF ドメインを有しています。Usp11 は様々な組織に存在し、非分裂細胞の核に主に局在しています。Usp11 は RanBPM (GTP結合タンパク質 Ran と結合し微小管のコア形成や他の種々タンパク質と相互作用して細胞の増殖の制御するタンパク質) に特異的に結合し、そのユビキチン化及び分解を阻害します。また、Usp11 が TNF α 誘導 IKK α \rightarrow p53 シグナル経路の調節に関与すること、HPV-16 (ヒトパピローマウイルス 16) の E6 タンパク質の分解を阻害し安定化することも示されています。

Reference

- Ideguchi H. et al.: Structural and functional characterization of the USP11 deubiquitinating enzyme, which interacts with the RanGTP-associated protein RanBPM. *Biochem J.* 2002 Oct 1;367(Pt 1):87-95.
- Yamaguchi T. et al.: The deubiquitinating enzyme USP11 controls an IkappaB kinase alpha (IKKalpha)-p53 signaling pathway in response to tumor necrosis factor alpha (TNFalpha). *J Biol Chem.* 2007 Nov 23;282(47):33943-8. Epub 2007 Sep 26.
- Lin CH. et al.: USP11 stabilizes HPV-16E7 and further modulates the E7 biological activity. *J Biol Chem.* 2008 Jun 6;283(23):15681-8. Epub 2008 Apr 11.

WARNING AND PRECAUTION

- Not for diagnostic use. The safety and efficacy of product in diagnostic or other clinical uses has not been established.
- Harmful by inhalation, in contact with skin and if swallowed. Do not breathe dust. Avoid contact with skin and eyes.
- If contact with skin and eyes, wash all affected areas with large volume of water. If inhaled remove to fresh air. In severe case obtain medical attention.
- Wash hand thoroughly after handling the product.
- Do not use this product if container is broken or some contaminants are detected.
- When preserving the product, Close the container, ensure it does not fall aside or down.
- Dispose of the container and expired reagents in accordance with federal, state and local government regulations.
- Do not use the container and accessories of the product for other purpose.

取り扱い上の注意

この添付文書をよく読んでから使用して下さい。

- 本品は研究用試薬であり、医薬品その他の目的にはご使用になれません。
- 取り扱い中は皮膚、粘膜、着衣に触れたり、目に入らないように適切な措置を行って下さい。
- 試薬が誤って目や口に入った場合には、水で十分に洗い流すなどの応急処置を行い、必要があれば医師の手当を受けて下さい。
- 取り扱い後は手洗いを十分に行ってください。
- 容器の破損、異物混入等異常が認められた物は使用しないで下さい。
- 試薬を保管する場合は、蓋をし、転倒落下防止を確実にし、指定の貯蔵方法で保管して下さい。
- 使用後の容器は、廃棄物に関する規定に従って処理して下さい。
- 容器、付属品等の他目的への転用は保証できません。

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TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN
http://www.cosmobio.co.jp e-mail : export@cosmobio.co.jp
Phone : +81-3-5632-9617 FAX : +81-3-5632-9618