Anti human FXR mouse monoclonal antibody

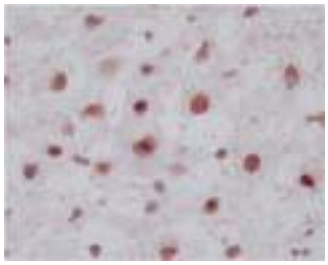
FXR: Farnesoid X Receptor

Code No	PP-A9033A-00
Clone No.	A9033A
Lot.	A-2
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2a
Description	Farnesoid X-activated receptor (FXR, HRR-1, BAR, RIP14; NR1H4) is a member of orphan nuclear receptor. FXR is expressed in liver, intestinal villi, renal tubes and adrenal cortex. FXR is a global regulator of bile acid metabolism. Two genes, cholesterol 7a-hydroxylase (CYP7A1) and IBABP (ileal bile acid binding protein), which are implicated in bile acid biosynthesis and recycling, respectively, are target genes of FXR. FXR was shown to be transcriptionally activated by falnesol metabolites such as farnesol itself, juvenile hormone III. FXR binds to DNA only as a heterodimer with RXR.
Nomenclature	NR1H4
Genbank	U68233
Origin	Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human FXR (2-126 aa) .
Specificity	This antibody specifically recognizes human FXR and cross reacts with mouse and rat FXR.
Purification	Ammonium sulfate fractionation
Formulation	Physiological saline with 0.1% NaN3 as a preservative.

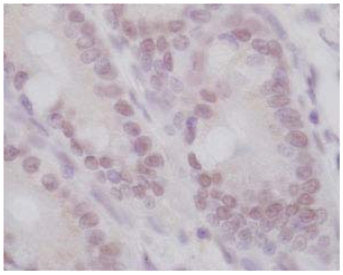
Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot	1 ug/mL
Non reducing Western Blot	Not yet tested
ELISA	0.2 ug/mL
Immunoprecipitation	Decide by use
Supershift Assay	Not yet tested
Chromatin immunoprecipitation	Not yet tested
Immunohistochemistry	20-40 ug/mL



Rat Liver
Hepatocyte
frozen section



Rat Small intestine
Epithelial cell
paraffin section

Storage	Store at 2 - 8 ºC up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.
Reference	Jae Mi Suh, *et al.* Mol Endocrinol, Dec. 2006, 20(12): 3412 -3420 Jun Qin, *et al.* Developmemtal Dynamics, 2007, 236: 810-820 Higashiyama, *et al.* Acta Histochem, 2007, [E pub]
Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

MADE IN JAPAN

Nov 8, 2007

COSMO BIO CO., LTD.
Inspiration for Life Science

Distributor:
Cosmo Bio Co.,Ltd.
2-20,Toyo, 2Chome,Tokyo 135-0016,Japan
TEL: +81-3-5632-9617 FAX: +81-3-5632-9618
http://www.cosmobio.co.jp

Manufactured by
Perseus Proteomics Inc.
4-7-6, Komaba, Meguro-ku,
Tokyo 153-0041, Japan
http://www.ppmx.com

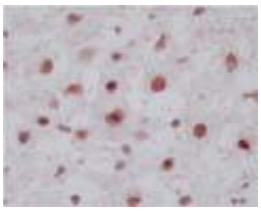
Anti human FXR mouse monoclonal antibody

FXR: Farnesoid X Receptor

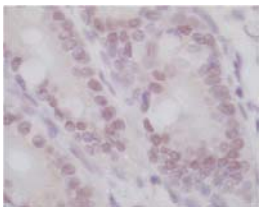
製品コード	PP-A9033A-00
Clone No.	A9033A
Lot.	A-2
濃度	1mg/mL
容量	100μL
Ig class	G2a
Nomenclature	NR1H4
Genebank	U68233
由来	ヒト FXR (2-126 aa) の Baculovirus 発現物を免疫した BALB/c マウスの脾臓細胞と、マウスミエローマ細胞 (NS-1) を融合して得たハイブリドーマを、BALB/c マウスに接種して得られた腹水。
特異性	ヒト FXR と特異的に反応する。マウスおよびラット FXR と交差反応する。
精製法	硫安塩析法
溶媒	生理的食塩水(防腐剤として0.1% NaN3添加)

Application　使用濃度は実験にあわせて至適化が必要です。

Western Blot	可	参考使用濃度　1μg/mL
非還元 Western Blot	未検討	参考使用濃度　–
ELISA	可	参考使用濃度　0.2μg/mL
免疫沈降	可	参考使用濃度　適宜調製してください
Supershift Assay	未検討	参考使用濃度　–
クロマチン免疫沈降	未検討	参考使用濃度　–
免疫染色	可	参考使用濃度　20-40μg/mL



ラット
肝細胞
凍結切片



ラット
小腸
パラフィン切片

保存方法　1ヶ月程度の保存の場合は、2～8℃で保存可能です。長期保存の場合は、抗体を小分けした上で、-20℃ 以下での保存をお勧めします。また、凍結融解を繰り返すと、抗体が劣化し、本来の性能が得られない場合があるため、お避けください。

参考文献

Jae Mi Suh, *et al.* Mol Endocrinol, Dec. 2006, 20(12): 3412-3420
Jun Qin, *et al.* Developmemtal Dynamics, 2007, 236: 810-820
Higashiyama, *et al.* Acta Histochem, 2007, [E pub]

備考　溶媒に含まれるNaN3は、鉛や銅と反応し爆発性化合物を形成する恐れがあります。廃棄の際には大量の水と一緒に希釈して廃棄してください。

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Nov 8, 2007

【販売元】
コスモ・バイオ株式会社
〒135-0016 東京都江東区東陽2-2-20
TEL：03(5632)-9610 FAX：03(5632)-9619
http://www.cosmobio.co.jp

【製造】
株式会社 ペルセウスプロテオミクス
〒153-0041東京都目黒区駒場4-7-6
http://www.ppmx.com