MONOCLONAL ANTIBODY DATASHEET

VERTEBRATE ANTIBODIES

Clone F21 P6 F5 against human CYP4F11

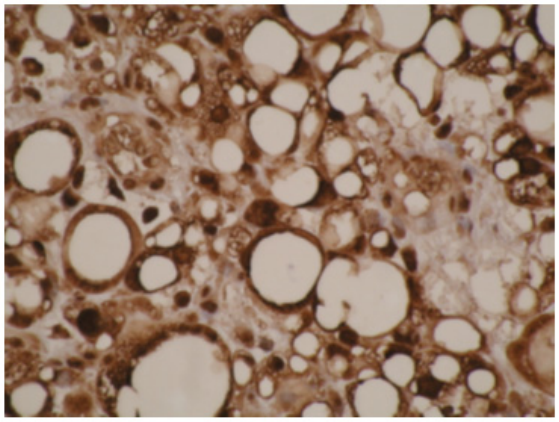
Product Description	Monoclonal antibody directed against human CYP4F11. Supplied as hybridoma supernatant (unpurified).
Storage	Store at –20ºC. Avoid repeated freeze-thaw cycles.
Intended Use	For laboratory (research) purposes only.
Isotype	IgG1, k
Clone	F21 P6 F5
Immunogen	Ovalbumin-conjugated synthetic peptide; **RVEPLGANSQ** (C-terminal sequence)
B Cell Donor	BALB-c mouse
Fusion Partner	Ag 8563
Positive Control	***IHC***: formalin-fixed, paraffin-embedded liposarcoma sections. ***Western blot***: kidney cell lysates.

Applications		Recommended Usage Conditions *(conditions should be optimised by the user)*
ELISA	✓	Undiluted (titre 1/1000)
Western blot	✓	1/10 dilution
IHC	✓	1/5 dilution, antigen retrieval: microwave 20 min @ 800W in 10 mM citrate buffer, pH 6.0

Clinical significance	Results observed
Colorectal cancer	- CYP4F11 showed a higher frequency and greater intensity of immunohistochemical staining in colon cancer compared with normal colon.
Ovarian cancer	- CYP4F11 showed a higher frequency and greater intensity of immunohistochemical staining in ovarian cancer compared with normal ovary.

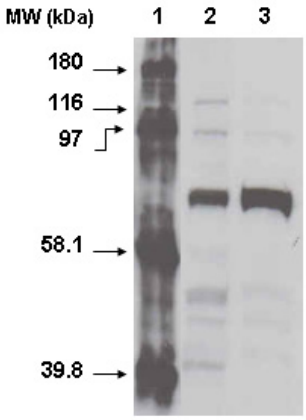
References	Kumarakulasingham M, Rooney PH, Dundas SR, Telfer C, Melvin WT, Curran S, Murray GI **(2005). Cytochrome p450 profile of colorectal cancer: identification of markers of prognosis.** *Clin Cancer Res.* **11:** 3758-3765. Downie D, McFadyen MCE, Rooney PH, Cruickshank ME, Parkin DE, Miller ID, Telfer C, Melvin WT, Murray GI (2005) **Profiling Cytochrome P450 Expression in Ovarian Cancer: Identification of Prognostic Markers**. *Clin Cancer Res.* **11:** 7369-7375.

IMMUNOHISTOCHEMISTRY



CYP4F11 expression in liposarcoma cells

WESTERN BLOT OF CELL LYSATES



1. markers
2. kidney normal 3. kidney tumour