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DATA SHEET

Mouse Anti-ABCC2/MRP2 [5C3]: MC0649, MC0649RTU7

Intended Use: For Research Use Only

Description: ABCC2, also known as Multidrug Resistance Protein 2 (MRP2), is a gene that provides instructions for producing a 190-kD integral membrane glycoprotein in the canalicular membrane of liver cells which is involved in transporting substances out of cells. Mutations in ABCC2 can lead to conditions like Dubin-Johnson syndrome, where bilirubin and other substances accumulate in the liver. High ABCC2 expression has been linked to resistance to chemotherapy, particularly in cases of lung cancer, pancreatic cancer, and ovarian cancer. ABCC2 expression levels have been shown to correlate with survival outcomes in certain cancers, like breast, ovarian, and colon cancer.

Specifications:

Clone:	5C3
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human, rat
Immunogen:	Recombinant protein aa 1256-1545 of human ABCC2
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, WB

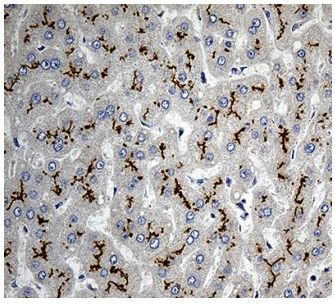
Package:

Description	Catalog No.	Size
ABCC2/MRP2 [5C3] Concentrated	MC0649	1 ml
ABCC2/MRP2 [5C3] Prediluted	MC0649RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Liver, liver cancer
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human liver stained with anti-ABCC2 using DAB

References:

1. ABCC2 brush-border expression predicts outcome in papillary renal cell carcinoma: a multi-institutional study of 254 cases. Vincent Francis Castillo, et al. Histopathology 2023, 83, 949–958. DOI: 10.1111/his.15042.
2. Protein expression of ABCC2 and SLC22A3 associates with prognosis of pancreatic adenocarcinoma. Lenka Cervenkova, et al. Scientific Reports. December 2019 9(1). doi:10.1038/s41598-019-56059-w.
3. ABCC2 (MRP2, cMOAT) can be localized in the nuclear membrane of ovarian carcinomas and correlates with resistance to cisplatin and clinical outcome. Pawel Surowiak, et al. Clin Cancer Res. 2006 Dec 1;12(23):7149-58. doi: 10.1158/1078-0432.CCR-06-0564.

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