

Type of file: table

Label: 1

Filename: table_1.docx

Supplemental Table 1. Antibodies against ERCC1-XPF DNA repair nuclease and their suitability for use in a variety of immunodetection applications.

Antigen	Antibody	Source	Origin	Clonality	WB			IP	IF	Local damage	IHC
					Human	Hamster	Mouse	Human	Human		
ERCC1	FL297	Santa Cruz	Rabbit	poly	+	-	-	+	+	+	+
	D-10	Santa Cruz	Mouse	mono	+	+	+	+	+	+	-
	3H11 ¹	Cancer Research UK	Mouse	mono	+	-	-	+	-	-	-
	8F1 ²	Neomarkers	Mouse	mono	-	-	-	+	-	-	-
	RW018	Cancer Research UK	Rabbit	poly	+	-	-	+	-	-	-
	RW017	Cancer Research UK	Rabbit	poly	+	+	+/-	+	-	-	-
XPF	Ab-1	Neomarkers	Mouse	mono	+	-	-	+	+	+	-
	4H4	Cancer Research UK	Mouse	mono	+	-	-	+	+	+	+
	3F2	Cancer Research UK	Mouse	mono	+	-	-	+	+	+	+
	9A2	Cancer Research UK	Mouse	mono	+	+/-	+/-	+	-	-	-
	RA-1	Cancer Research UK	Rabbit	poly	+	+	+/-	+	-	-	-

¹Available from several commercial vendors including Neomarkers (ERCC1 Ab-1).

²Stocks from Cancer Research UK were also tested. Available from several commercial vendors under other names including Neomarkers (ERCC1 Ab-2), Spring Biosciences (SPM243) and Santa Cruz.

Abbreviations: WB = immunoblot; IP = immunoprecipitation; IF = immunofluorescence; Local damage = Co-localization with UV-induced DNA damage; IHC = immunohistochemistry on paraffin embedded material.

Type of file: table

Label: 2

Filename: table_2.docx

Supplemental Table 2. Optimal concentrations of ERCC1 and XPF antibodies for various applications.

Antibody	Dilution	
	Immunoblot	Immunofluorescence
FL297	1:1000	1:200
D-10	1:100	1:100
3H11	1:500	-
8F1	1:100	-
RW018	1:1500	-
RW017	1:1500	-
Ab-1	1:100	1:200
4H4	1:500	1:400
3F2	1:500	1:100
9A2	1:10000	-
RA-1	1:5000	-