

## Supplemental Table 2

### PROTEIN PTPN6 ANTIBODIES

([ENSP00000326010](#), 595AA)

1aa (exon 1B)

50

| ↗ exon 2-3 (SH2-N domain) **GS** |  
 MV**RWFHRDLSGLDAETLLKGRGVHGSFLARPSRKNQGDFSLSVRVGDQVT**

**HIRIQNSGDFYDLYGGEKFATLTELVEYYTQQQGVLQDRDGTIIHLKYPL**

↗ exon 4-5 (SH2-C domain)

**NCSDPTSERWYHGHMSGGQAETLLQAKGEPWTFVLVRESLSQPGDFVLSVL**

**SDQPKAGPGSPLRVTHIKVMCEGGRYTVGGLETFDLSLTDLVEHFKKTGIE**

NDLD mutation ↗

**EASGAFVYLRQPYYATRVNAADIENRVLELNKKQES** **EDTAKAGFWEEFS**

exon 7-13 (PTPase domain)

**LQKQEVKNLHQRLLEGQRPENKGNRYKNILPFDHSRVILQGRDSNIPGSD**

ab2020

**YINANYIKNQLLGPDENAKTYIASQGCLEATVNDFWQMAWQENSRVIVMT**

H-65

**TREVEKGRNKCVPYWPEVGMQRAYGPYSVTNCGEHDTEYKLRRTLQVSPL**

**DNGDLIREIWHYQYLSWPDHGVPSSEPGGVLSFLDQINQRQESLPHAGPII**

**VHCSAGIGRTGTIIVIDMLMENISTKGLDCDIDIQKTIQMVRAQRSGMVQ**

**TEAQYKFIYVAIAQFIEITKKKLEVLQSQKGQESEYGNITYPPAMKNAHA**

EV

**KASRTSSKHKE**DVYENLHTKNKREEKVKKQRSADKEKSKGSLKRK

ID	Immunogen	Peptide	Isotype	References
<b>GS</b>	SH2-N (Mouse)	RGVPGSFLARPSRKNQG-C	Rabbit IgG	GenScript*
<b>ab2020</b>	PTPase domain (Human)	KNQLLGPDENAK (308-319aa)	Rabbit IgG	<a href="#">Abcam</a>
<b>H-65</b>	PTPase domain (Human)	356-420aa	Rabbit IgG	<a href="#">Santa Cruz</a>
<b>EV</b>	C-tail (Mouse)	C-KASRTSSKHKEE	Goat IgG	<a href="#">Everest</a>
<b>C-19 (HRP)</b>	C-terminus (Human)	no data available	Rabbit IgG	<a href="#">Santa Cruz</a>
<b>BD</b>	C-terminus (Human)	492-595aa	Mouse IgG1	<a href="#">BD Biosciences</a>
<b>PTY6</b>	Full length protein (Human)		Mouse IgG1	<a href="#">GeneTex</a>
<b>PTY10</b>	Full length protein (Human)		Mouse IgG2a	<a href="#">GeneTex</a>
<b>AV</b>	Full length protein (Human)		Mouse polyclon.	Abnova*

\* - custom

Human PTPN6 protein sequence and antibodies used for detection. SH2<sub>N</sub>, SH2<sub>C</sub> and PTPase domains are in bold and underlined. Peptide sequences identical in human and mouse are highlighted in yellow. Amino acids that differ between human and mouse are highlighted in blue.